



Mills movable metal walls



movability

appearance

economy

adaptability

sound control



*Sales Manager's Office,
The Jones & Laughlin Steel Corporation, Pittsburgh, Pa.
Mills Metal Building Interior.*



*Cleveland District Engineering Dept., The Austin Co., Cleveland, Ohio.
Mills Flush Pilaster Partition.*



*The Pfaudler Co., Rochester, N. Y.
Mills Metal Partition makes attractive corridor.*

MILLS METAL PARTITIONS

they are movable

Movable partitions are easily erected, dismantled and relocated. They encourage the changes which are inevitable in progressive industry; they eliminate the disruptions to office routine, the material loss, and the debris and dust associated with changes in masonry walls. Door units may be inserted without disturbing other panels in a run; large panels may be moved whole without disassembly. Changes in layout can often be made overnight or during a week-end. Panel units of same width are interchangeable.

they are attractive

Mills Partitions provide ideal working conditions for employees, and distinctive appearance for visitors. Wide, flat, reinforced panel units provide perfectly flush walls, stable and permanent in appearance. Partitions are factory-finished in a wide variety of pleasing soft colors or wood grains, finishes are permanent and lifetime lasting.

they are easily wired

All Mills Partitions have raceways for electrical wires in the base and cornice. Separate raceways are available for power and telephone wires. All posts have space for wires so that they may be brought up or down to conveniently located switches and outlets.

they are economical

With Mills Metal Partitions changes in industrial and office layouts are economical; all parts are reused. Prefabricated and factory-finished, Mills Partitions are time savers because of their speedy erection. Wiring is laid in. Made of steel with durable baked-on enamel, Mills Partitions have low maintenance cost because they do not chip or crack and their flush surfaces are easily cleaned by ordinary washing.

they are adaptable

Combinations of steel, glass and wire mesh panels can be made to meet any space requirements. Glazed units can be either single or double glazed. Door units have single or double doors, either hinged, double-acting or sliding. A complete line of skillfully engineered accessories adds to the utility of Mills Metal Partitions. Accessories to meet any requirements include wickets, transoms, closets, access doors, fire hose cabinets, etc.

they are soundproof

Efficiency in business requires quiet working conditions. Mills Metal Partitions are more soundproof than a tile and plaster wall of twice their thickness. Flush units are treated with one coat of sound deadening insulating material and solidly packed with glass wool for further sound insulation.

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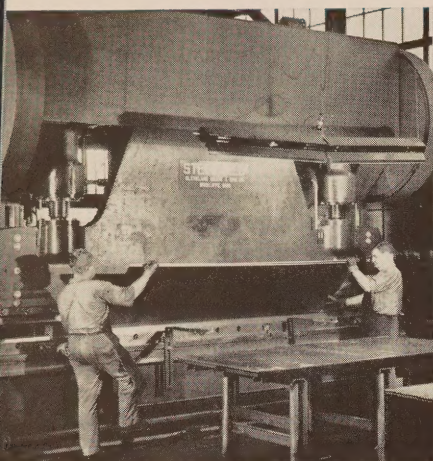
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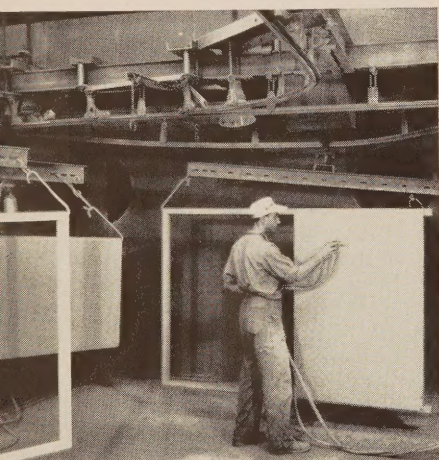
ILLUSTRATION ON FRONT COVER

The Ohio Bell Telephone Company
Cleveland, Ohio

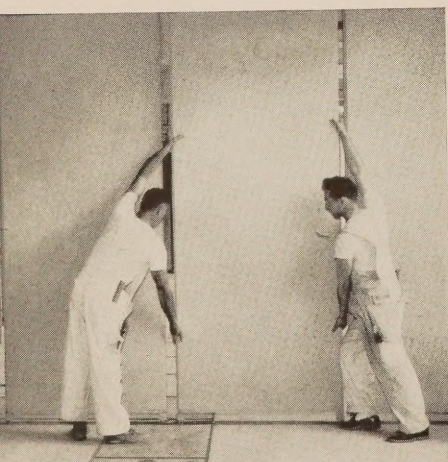
THE MILLS COMPANY



Making double offset bends on both sides of Flush Pilaster Panels. Modern press brakes are used to form Mills Partitions.



Applying finish with spray gun. Conveyor carries panels directly to oven. Both prime and finish coats are baked after spraying.



Erecting Mills Metal Partition. A nation wide erection service insures rapid, expert installation.

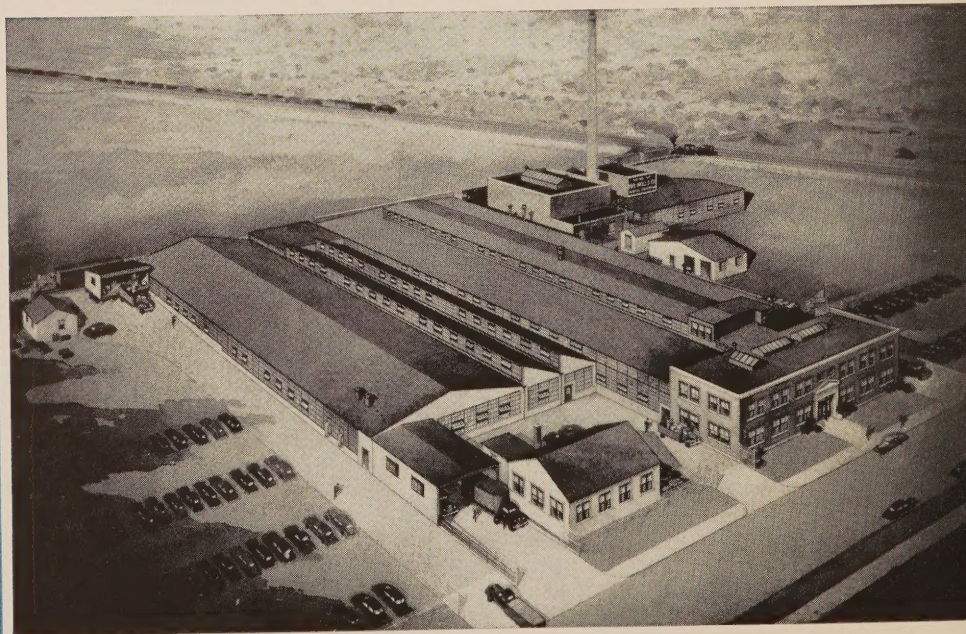
For over a quarter of a century, The Mills Company has specialized exclusively in the design and manufacture of a complete line of metal partitions. Exceptionally complete production facilities are coupled with broad experience and skilled craftsmanship, in an organization geared to deliver a high standard of quality and service.

Twenty-eight years of constant development by skilled engineers have brought improved designs and methods. Careful attention has been given to detailed specifications and all materials used in our products are selected with exceptional care to meet specific requirements.

To specify Mills Metal Partitions means not only the selection of a quality product, but also the assurance of a complete partition service. Over a hundred representatives located in all principal cities of the United States and several foreign countries (see list on back cover) efficiently and quickly handle all sales and service problems. The Mills Company assumes responsibility from the time they are delegated to study the preliminary layout. A staff of experienced engineers is always ready to suggest the layout that will most effectively meet your particular requirements.

A Mills Metal Partition installation is fabricated only after every detail has been settled. Panels, doors and frames are then individually assembled, using standard parts as much as possible because of the economies of production. Detailed departmental inspections insure quality. The Mills Company's own erection force quickly and efficiently installs our partitions. Our field force, national in scope, is always ready to meet any problem of original erection or rearrangement.

Mills Metal Partitions are advisable when quality, materials and service are important factors. We can offer no better guarantee of satisfactory performance than to point to the thousands of outstanding installations we have made for America's leading industries.



*Main Office and Factory—The Mills Company, Cleveland, Ohio
Production and service area exceeding 7 acres
devoted exclusively to the production of Metal Partitions*

a complete line of partitions

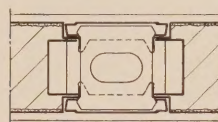
All partition types shown below can be constructed in all-steel panels or in any required combination of steel and glass panels.

the flush pilaster pages 10-21.

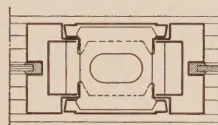
Panels 3" thick, composed of two sheets of steel welded to steel frame. Insulation between sheets. Post caps flush with panels. Base runs continuous without plinth blocks.

All-steel building interiors furnished in Flush Pilaster design. Wall linings and railings match the partition.

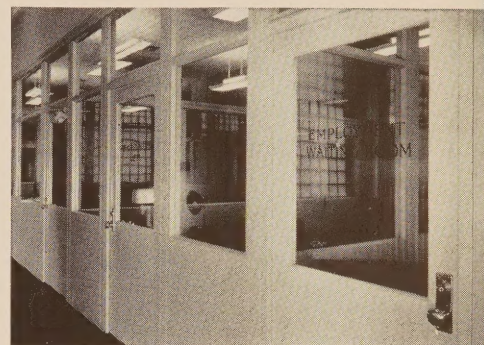
pages 22-27.



STEEL UNITS

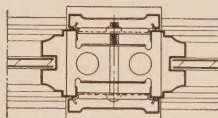


GLAZED UNITS

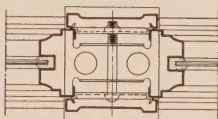


the executive pages 28-29.

Panels $\frac{3}{8}$ " thick, composed of two sheets of steel with insulating core between. Panel and glass units framed by moldings, both horizontal and vertical. Chair rail 4" tubular and molded section. Telescopic base. Plinth blocks at floor post connections.



STEEL UNITS



GLAZED UNITS



the semi-flush pages 30-31.

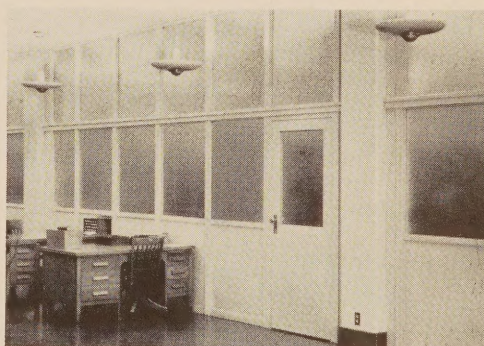
Panels $1\frac{1}{2}$ " thick. Plinth blocks at floor post connections. Posts and panels have modern straight lines. Telescopic base. Glass lites approximately 40" wide. Horizontally pivoted transoms provided when specified.



STEEL UNITS

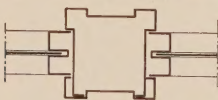


GLAZED UNITS



the commercial pages 32-36.

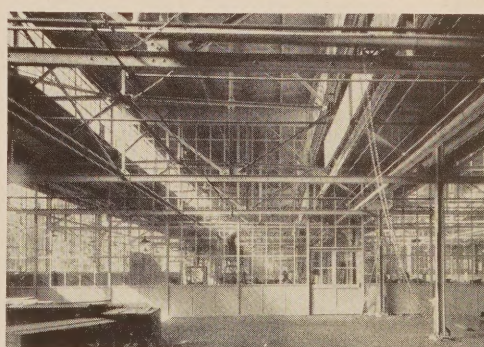
Single steel panels and steel and glass panels. 3" square posts. Cornice optional where partitions extend to ceiling. Glass lites approximately 20" wide. Combinations of steel, glass and wire mesh panels can be made to produce walls up to 30 ft. or more in height.



STEEL UNITS



GLAZED UNITS



industrial toilet room enclosures, $1\frac{1}{2}$ " thick, often placed on elevated locations in factories . . . page 37.

Complete line of toilet enclosures shown in a separate catalog.

change characterizes the modern building

Where progress exists in industry, building changes are inevitable and necessary. No building, whether used for offices or industrial purposes, can escape the changes in space requirements caused by expansion, consolidation, reorganization or reconversion. New departments, personnel, products and methods constantly demand that small offices be made into large ones or the reverse.

moving masonry walls

When it is necessary to move a masonry wall, there is a loss of approximately 98% of the total cost of the wall. It must be knocked down and a new wall built. Doors and frames are usually the only materials salvageable from the old wall. Often the cost of removing the debris exceeds the value of these salvageable items, and, after all this, the dirt, and dust of the job usually necessitates cleaning the rugs, drapes and office machines.

moving Mills partitions

On the other hand, moving a steel wall is a simple and rapid procedure. All panel units and accessory parts are reused. Units are interchangeable. Doors may be added to runs by simply removing a single panel, or complete runs may be taken down and reerected in new layouts without disassembling the panels. New layouts often can be made overnight or during a week-end. Mills movable partitions make heretofore dreaded changes in space subdivision practical because they can be easily erected and relocated with real savings in time, nerves and money.

speed and facility of erection

In erecting tile and plaster walls, laborers, masons,



Changing the location of a tile and plaster wall is a slow, expensive, dusty process. Business routine ceases, usually for two or three weeks, while hundreds of pounds of debris are carted out and wet construction materials brought in.

plasterers, carpenters and painters are involved. There are usually three or four subcontractors. On the other hand, when movable partitions are erected, there is one subcontractor who arrives with the completely fabricated and factory-finished panels, doors and frames. With field dimensions previously checked, the erectors quickly follow pre-engineered layouts. Movable metal partitions are installed in one-third to one-tenth the time required for wet systems of construction. As a result, buildings are occupied sooner with reduced interest and carrying charges.

low maintenance cost

Yearly maintenance of masonry walls is expensive with the necessity of repainting, filling cracks and cleaning. The steel surfaces of Mills partitions, however, need none of this regular upkeep for they have hard, baked-on finishes which do not warp, chip, crack or scale. Occasional ordinary washing suffices to keep them in excellent condition. Maintenance savings with Mills Partitions are important.

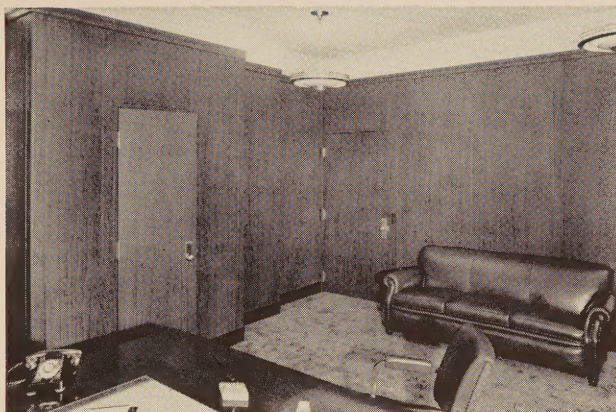
some recent Mills installations

Aluminum Company of America, New Kensington, Pa.
U. S. Naval Ordnance Laboratory, White Oak, Md.
Pacific Telephone & Telegraph Co., Oakland, Calif.
United Air Lines, Inc., San Francisco, Calif.
Bulldog Electric Products Co., Detroit, Mich.
State Office Building, Jackson, Miss.
State Office Building, Montpelier, Vt.
Society for Savings Bank, Cleveland, Ohio
Stanolind Gas Pipe Line Building, Tulsa, Okla.
Crowell-Collier Building, New York, N. Y.
Farm Bureau Insurance Co., Indianapolis, Ind.
Farm Bureau Insurance Co. Building, Columbus, Ohio
First National Bank Building, Tulsa, Okla.



Moving a Mills Metal Partition is a job quickly and economically done, usually in not more than two days. Business continues as usual. Panel units are taken down and reerected with no material waste, debris or dust.

factories . . . schools . . . hospitals . . . laboratories



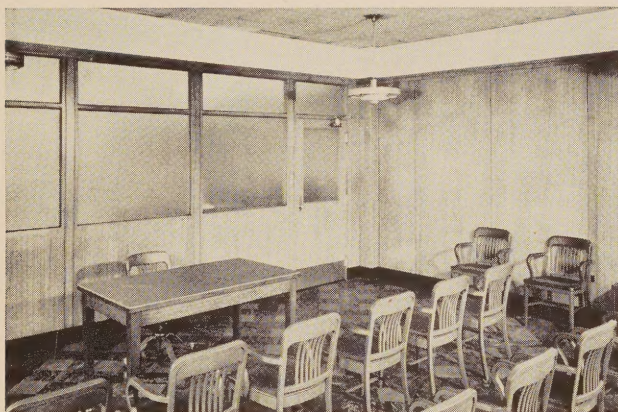
executive office

Mills Partitions provide handsome, soundproofed offices which, nevertheless, may be changed with minimum expense and inconvenience.



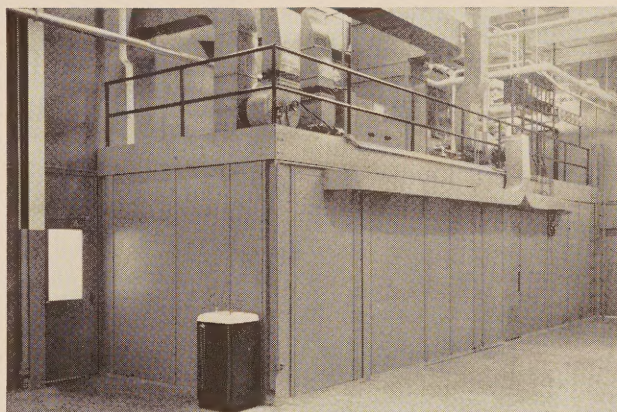
commercial office

Mills Partitions may be easily and quickly moved to meet changing conditions.



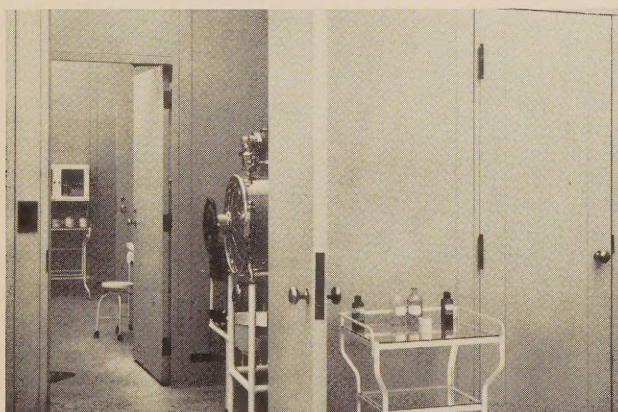
school room

Mills Partitions provide flexibility to meet changing class sizes or groupings.



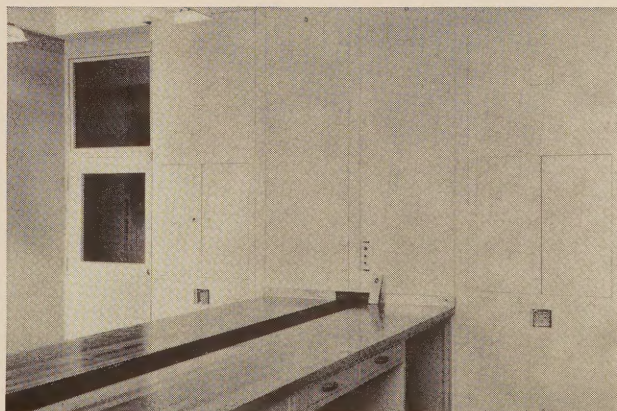
industrial plant equipment room

Mills Partitions may be economically enlarged to provide for expanding equipment.



hospital

Mills Partitions permit immediate subdivision of wards or other hospital space.



laboratory

Mills Partitions allow for change or expansion with minimum loss of time.

you get all these plus features

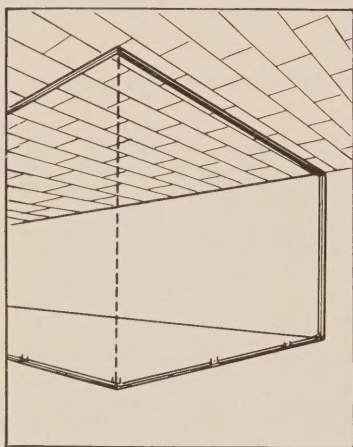
The advantages Mills Metal Partitions afford have been proved for the past 28 years, with thousands of partition installations giving dependable service in all classes of buildings.

quick, simple, precision erection

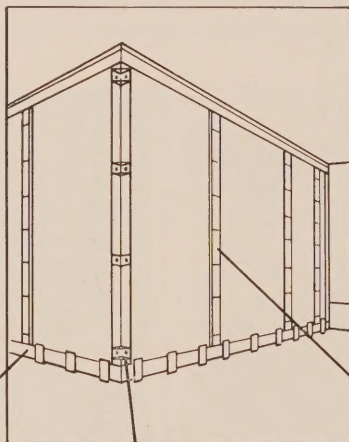
Mills Partitions go up fast because all panels are complete, prefabricated units. All attachments and connections between panels are made by using patented clips, clamps and wedges. Panel and door units may be interchanged without disturbing adjacent units. They are

moved intact, avoiding unnecessary handling problems, and possible damage to the surface created by separate panel sheets hung on vertical channels. Floor irregularities are easily compensated for by Mills Patented Floor Leveler.

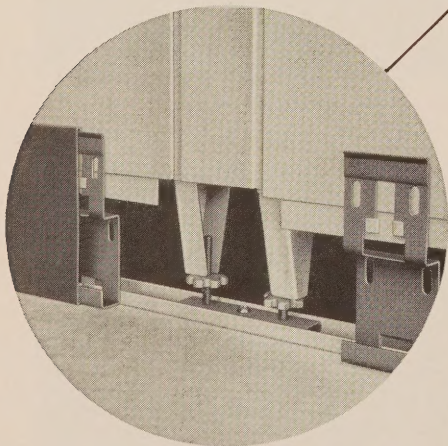
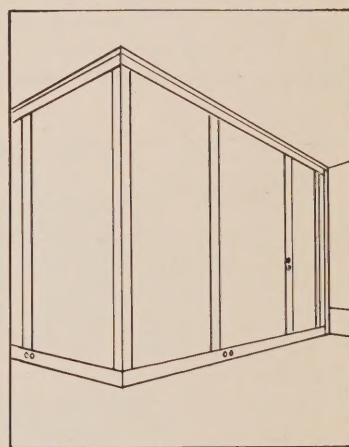
1. Install floor channel and adjustable floor clamps, ceiling and wall channels.



2. Set panel units in position and apply friction post clips. Apply adjustable base clips, cornice reinforcement and required wiring.



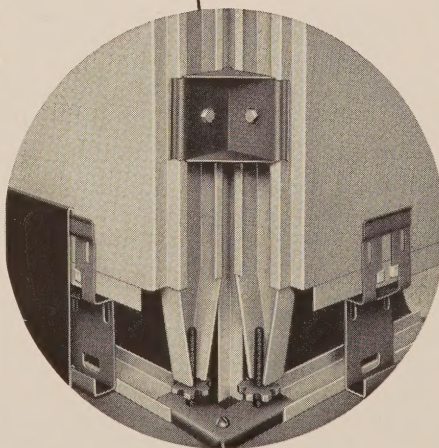
3. Apply pilaster caps, base and cornice trim and electrical fittings.



patented floor leveler

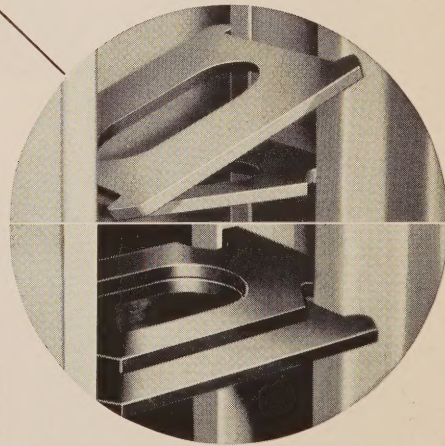
To insure fast erection and perfect alignment:

- a—Floor leveling device is attached to the floor through a continuous channel.
- b—Panel units are set on the leveling wheels which are adjustable up or down to compensate for any floor irregularities.



corner post clamps

Insure strong and true 90 degree angles.



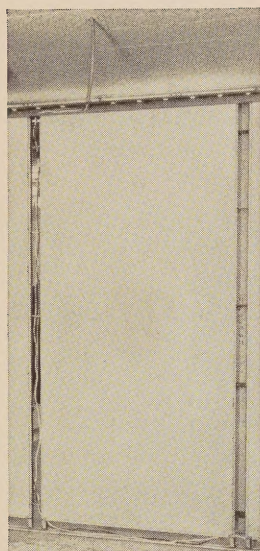
friction post clips

Top, Open Position. Bottom, Closed Position
Assure solid, strong connections and accurate spacing of panels. Clips have rounded projections over which post caps snap. Clips have no predetermined positions but may be placed at any height of the panel, thus speeding erection and permitting electrical outlets to be placed at any height in post cap.

with MILLS METAL PARTITIONS

Besides movability, low cost of maintenance, and reliability of manufacturer, advantages briefly listed below are the most important of those for which Mills Metal Partitions are universally endorsed.

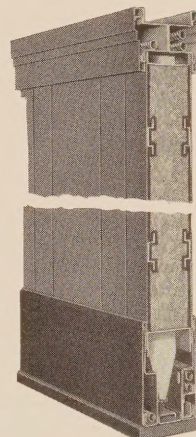
wiring facilities



All Mills Partitions permit easy concealed wiring within cornice, base and posts. Shown at right is a section through the Flush Pilaster Partition. The snap-on cornice trim covers a continuous "lay-in" wiring conduit open for wiring as shown at left. The continuous base conceals natural "lay-in" conduits. Where high and low tension wires must be separated, standard double raceway conduits fit into the base clips. This permits the distribution of power, light, dictaphone and telephone lines to their proper outlets in the wall. Wires may be applied in the cornice, base or pilaster from either side of the partition.

Posts of all partition types are clear to permit wires to be brought down from the cornice or up from the base to convenient heights for switches and receptacles. Latter may also be placed in the base. To avoid damaging panel faces when the partition is moved, all outlets are placed in post caps or base and not in the face of the panels.

Wiring can be accomplished in the Executive Partition by laying the wires into the cornice. In the Semi-flush and Commercial Partitions (cornice high), wires can also be laid into the cornice. Wires can be pulled through on installations with top filler. Wiring can be pulled through the base of the Executive, Semi-flush and Commercial Partitions. Also see page 46.

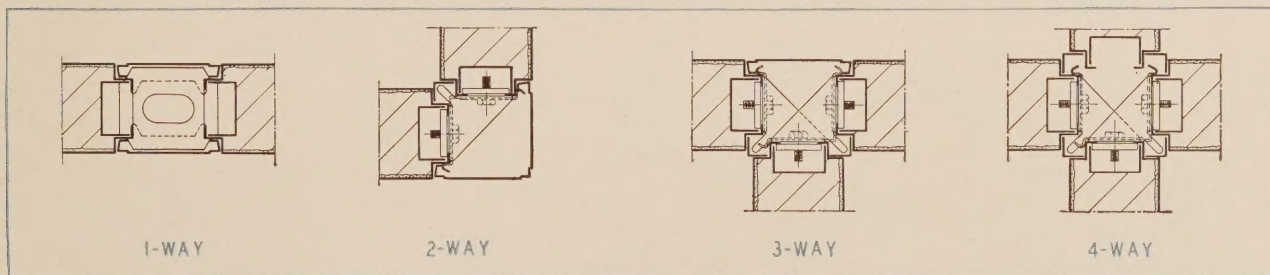


universal posts

All Mills Partitions are designed with universal posts which enable future extensions of either 2, 3 or 4-way intersections to be made without removing the adjoining units, using fillers or screwing on special attachments. With universal posts, any door or panel unit may be moved individually; all runs are laid out to common centerpoints at intersections. Any change in flush par-

tition units is easily made by disengaging the post caps and rearranging the post clips. Changes in paneled partition units are simply achieved by disengaging the post cap and rearranging the attachments to posts and panels.

It's easy to add, subtract, multiply and divide floor space with Mills Metal Partitions. Also see page 46.



panel construction

Flush Pilaster Partition units are all-welded, which is the sturdiest construction possible for a movable wall (see pages 13 and 14). There are no joints for building vibration to loosen, as in bolted rod construction where side vertical members are separate units.

1. Batts of inorganic insulation (Fiberglas) 3" thick.
2. Sprayed-on insulation, $\frac{1}{16}$ " thick (furnished when specified).
3. Rolled section stiffener, 20 gauge, located 9" on center, spot-welded 3" on center.

4. Rolled section vertical channel, 20 gauge, spot-welded 8" on center.

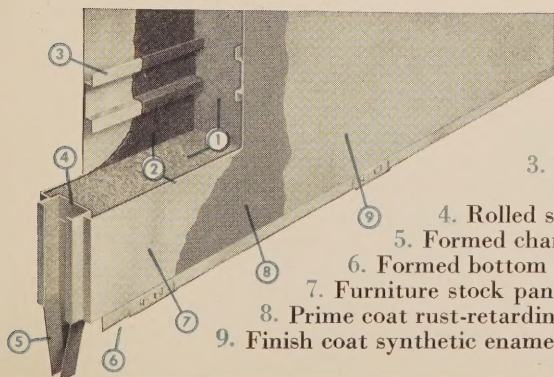
5. Formed channel shoe, 14 gauge.

6. Formed bottom channel, 20 gauge, spot-welded 6" on center.

7. Furniture stock panel sheet, 20 gauge, thoroughly cleaned of oil, filled and sanded.

8. Prime coat rust-retarding primer; baked-on.

9. Finish coat synthetic enamel, baked-on; color to be as selected.



The modern business interior, with its reception lobby, general and private offices, and conference rooms, must be attractive and distinctive in appearance. It must also permit quick, economical expansion and contraction of the interior space it sub-divides. The Flush Pilaster Partition meets these conditions, for it is simple and fine in architectural design, yet easily movable to meet changing requirements in any type of office, public building, laboratory, school or hospital.

The perfectly flat steel walls of the Flush Pilaster Partition are fire and rust-resisting. They are more soundproof than a tile and plaster wall of twice their thickness.

The Flush Pilaster is available in 3" thick partition, wall lining and railings. The partition may be all-steel or combinations of steel and glass with single or double glazing. It may be "ceiling high" with panels running directly to the ceiling, or "cornice high" with either double mineral board or



MILLS flush pilaster partition

double steel top filler above to the ceiling. Wall Lining provides a flush wall for covering the inside of exterior building walls (including windows and radiators) and for lining rough interior masonry walls. Railings can be either 42" high with continuous handrail or 42" high with 2 ft. of glass above.

The Flush Pilaster Partition, made up of solid, all-welded panels, has many points of advantage in flexibility over flush partitions having single line joints. Primary advantages are its quick, precision erection

and relocation as shown on page 8; its universal posts and lay-in wiring facilities, described on the following page.

Mills Flush Pilaster Partitions may be finished in a wide variety of soft colors or handsome wood grains. Finishes are baked-on at the factory, making them hard to mar, easy to maintain, and extremely durable. The Flush Pilaster Partition is an outstanding example of beauty combined with utility.



*President's Office, Cleveland Worm & Gear Co., Cleveland, Ohio.
Flush Pilaster All Steel Partition and Wall Lining, 8'10" elevation with top filler above cornice to ceiling. George S. Rider Co., Architect.*



*The Motorists Mutual Insurance Co., Columbus, Ohio.
Flush Pilaster Steel and Glass Partition, 9'3 1/4" elevation, ceiling high, also radiator enclosures. Tibbals, Crumley & Musson, Architects.*

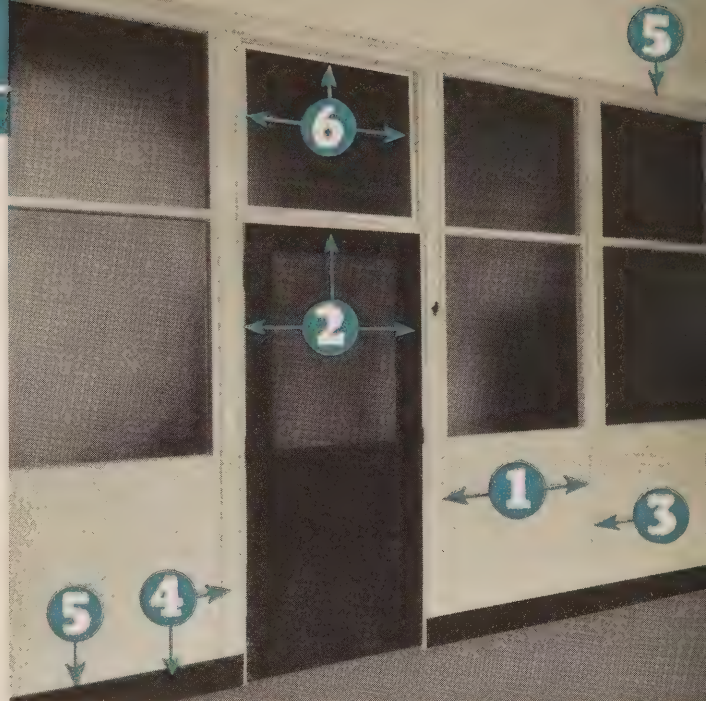
◀ *Executive Offices, Bulldog Electric Products Co., Detroit, Michigan.
Flush Pilaster Steel and Glass Partition, 9'3" elevation with top filler above cornice to ceiling. Jahr & Lyman, Architects.*

1 wide flush panels

All units fabricated in widths of 6" multiples, not exceeding 48" in all steel panels and 60" in steel and glass panels. All-welded construction—units are made of two sheets of 20 gauge furniture stock, spot-welded around their entire perimeter to a steel frame. Sheets properly reinforced every 9" with 20 gauge horizontal stiffeners assuring perfectly flat units. Integral self seating glass mold insures positive stop on glass at all times. Steel and glass panels have mortice and tenon joints at transom rails and top rails. All panels solidly packed with Fiberglas for sound insulation.

2 door unit construction

Door frames are a complete unit, factory welded and finished. Frames are adjustable to variations in floor level at floor line, each jamb adjusting independently and internal jamb channels fastened securely to floor. Frames are 100% salvageable, can be reused at new locations. No field cutting. Top frame lines and glass lines maintained throughout installation due to adjustments at floor line where not noticeable. Frames lined at jambs and head with felt, mechanically bonded, assuring permanent sound and dust proofness. Felt will not crack, disintegrate or discolor the portion of the door it contacts. Door styles and panels are of flush design and sound deadened with packing. Door hardware installed at the factory, assuring fast field erection. Door frames available with felt lined transoms operated by concealed mechanism in pilaster post. Operating handle is at convenient height.



Steel and Glass Partitions

3 universal post

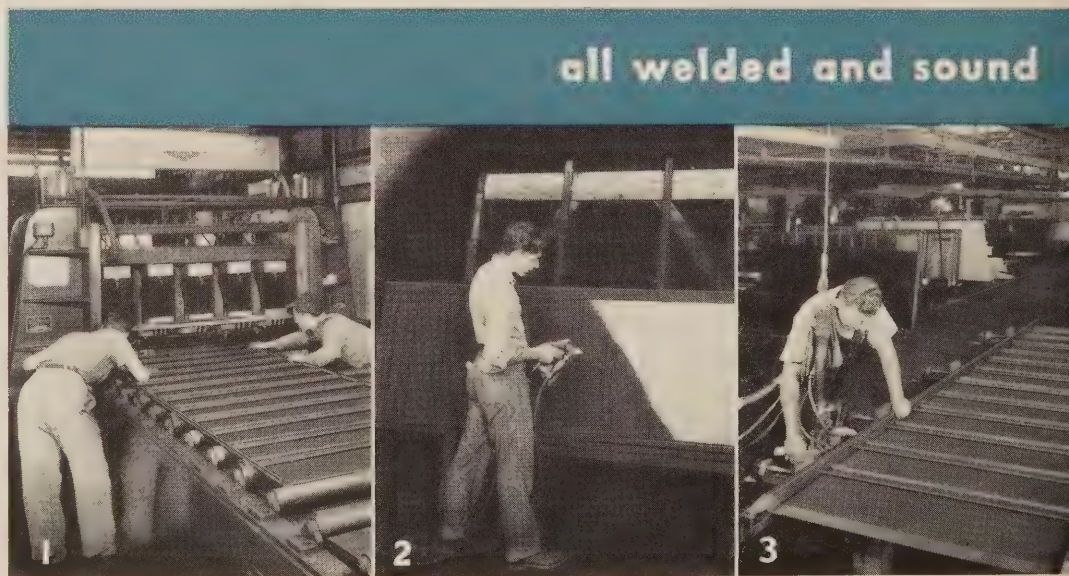
The 2" space between panels, covered by post caps which are removable from either side, is called a universal post because either 2, 3, or 4-way intersections may be made. (See pages 8 and 9 for details)

4 wiring facilities

Base, cornice and post caps are easily removable for efficient, lay-in wiring. Base and post caps furnished with cutouts for switches and outlets. (See pages 9 and 46 for details)



STEEL & GLASS PANEL
• SPOT WELDS
— GAS WELDS & GRIND



all welded and sound

20 gauge rolled section, hat-shaped, horizontal stiffener channels, spaced 9" on center and spot-welded 3" on center keep 20 gauge panel sheets permanently flat.

With perimeter protected for assembly welding, entire panel sheet is sprayed with dum-dum $\frac{1}{16}$ " thick. (Recommended and furnished when specified.)

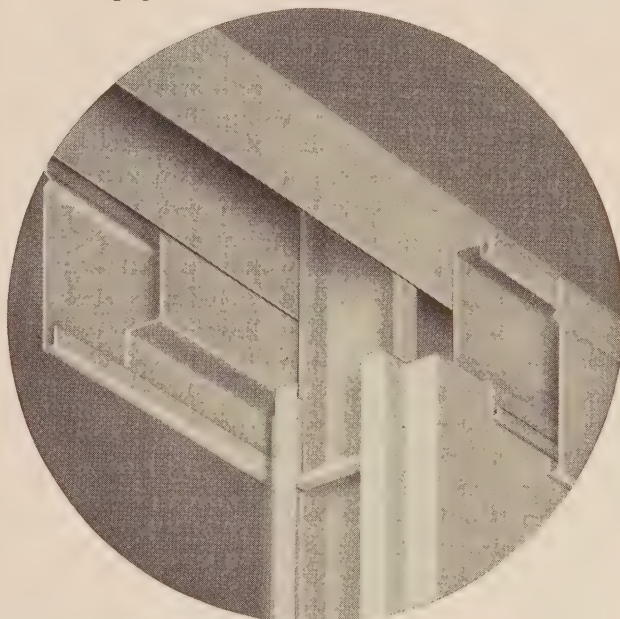
20 gauge rolled section, continuous vertical channel, spot-welded 8" on center for permanent vertical rigidity. 20 gauge vertical channel welded to 20 gauge panel sheets produce equivalent of 14 gauge post.

flush pilaster partition

shims are used. 6" high continuous base trim is attached by vertically adjustable clips mechanically applied to bottom of panels.

6 accessories

A complete line of louvres, wickets, transoms, book cases, etc., to meet every job requirement. For pictures of accessory installations, see pages 16 and 17. For construction details, see pages 38-42.



Cut-away view of ceiling high partition showing post channel extension and wiring raceways.

All Steel Partitions

5 sturdy ceiling and floor connections

Ceiling high partitions are secured by post channel extensions which lock into the horizontal ceiling channel. Both ceiling high and cornice high partitions are internally reinforced on each side by a continuous combination cornice and wiring raceway. Continuous cornice trim may be removed from either side for lay-in wiring.

Both ceiling and cornice high partitions have continuous internal floor channels securely anchored to floor at post connections by Mills Patented Floor Leveler (see page 8) which assures quick and perfect alignment and eliminates the guesswork involved when piles of

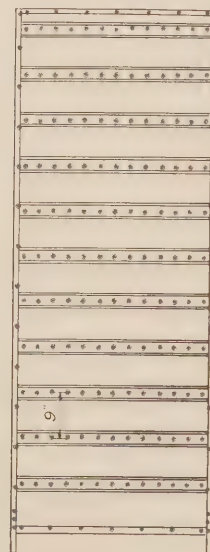
insulated construction



20 gauge formed top and bottom channels spot welded 6" on center closing top and bottom, making a complete sealed unit. The 14 gauge formed channel shoe was spot-welded in previous operation.

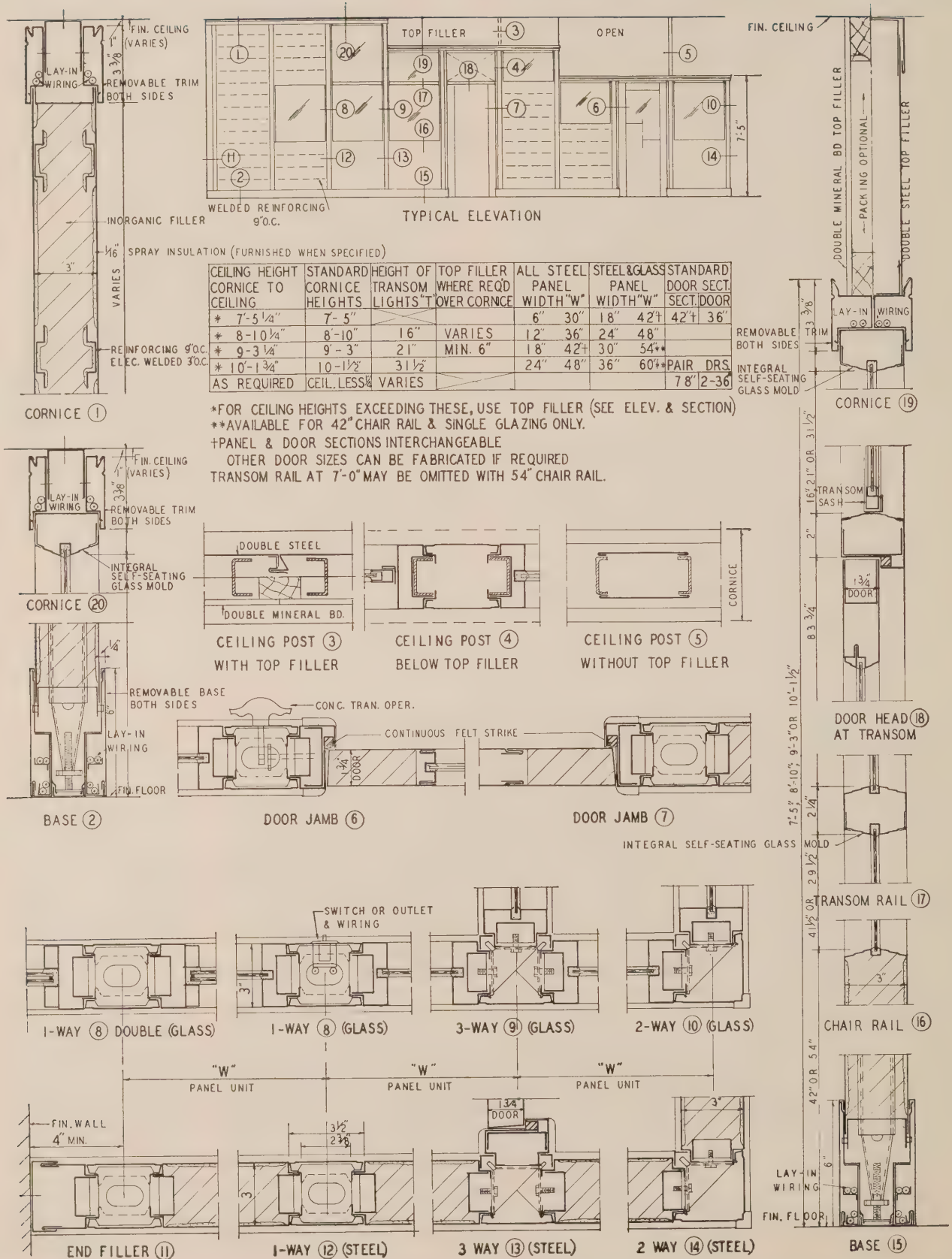
3" thick glass wool batts packed solid for sound absorption and additional backing to panel sheets. The protruding legs of the stiffener channels prevent "settling."

Second panel sheet, prepared as shown in photos 1 and 2, then set in place and spot-welded 8" on center on sides and 6" on center at top and bottom completing the panel assembly.

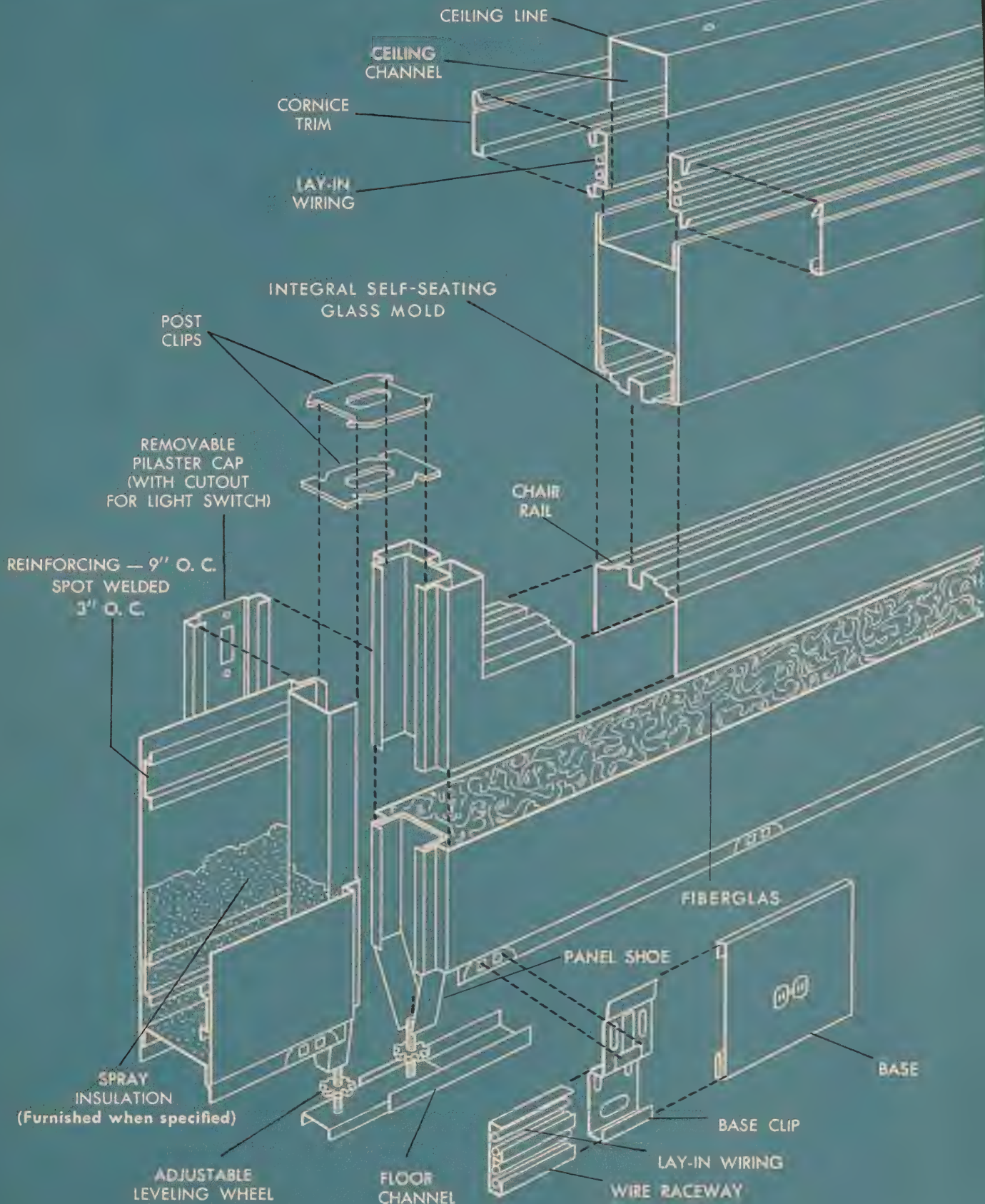


ALL STEEL PANEL
• SPOT WELDS

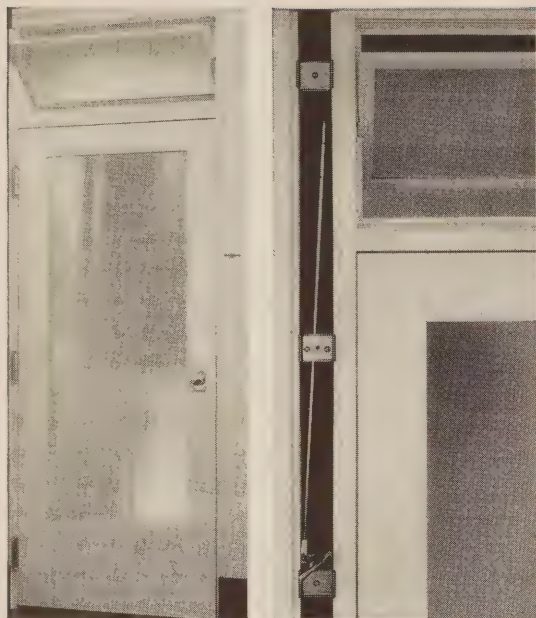
construction details



MILLS flush pilaster partition



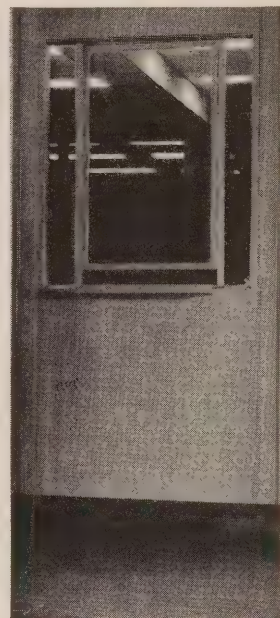
Pictured below are some of the accessories which make Mills Metal Partitions highly adaptable in meeting every demand for convenience and utility.



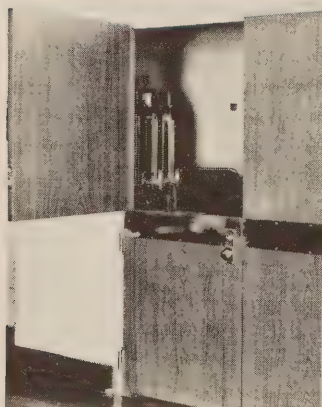
TRANSOMS AND OPERATORS—Transom operators are concealed and directly connected so that by a quarter turn of operating handle the transom opens one-quarter. After it is closed, a quarter turn further locks it. Vertically pivoted transoms above panels may be installed in Commercial Type installations to provide ventilation as desired.



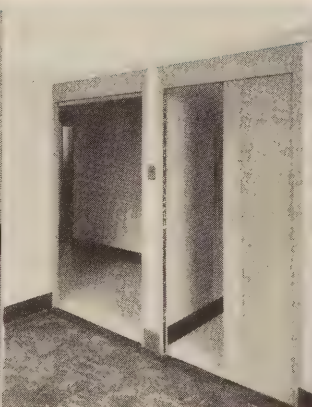
LOUVRES—Air conditioning technique demands adequate facilities for air circulation. Louvred panels and doors are available in standard sizes and are interchangeable with solid doors or standard partition panels.



WICKETS—Available in Mills steel and glass or all-steel panels and doors. Stock size 18" x 24", hinged or sliding. Furnished with painted steel deal plates, covered with glass or linoleum if specified.



DUTCH DOORS—Used in cafeterias, stock rooms and wherever it is desirable to pass materials in and out and at the same time prevent general access. Equipped with deal plates on both sides. Doors may be all-steel, steel and glass, or steel and wire mesh.



SLIDING DOORS—Slide into partition, close by gravity, are equipped with an automatic felt drop. Eliminate arc of door swing, thus saving valuable room space. Ball bearing hangers with fiber rollers insure easy, quiet operation.



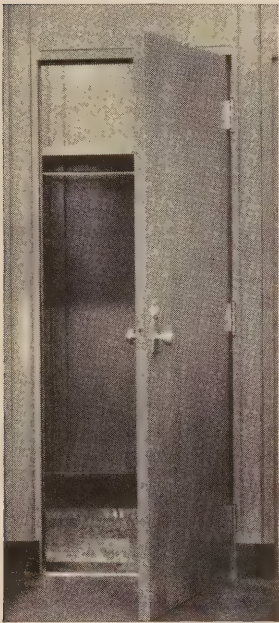
COUNTERS AND CABINETS—Combination counters and cabinets embodying the same structural details and movable features as Mills standard partitions and railing meet individual requirements and permit rearrangement as desired.



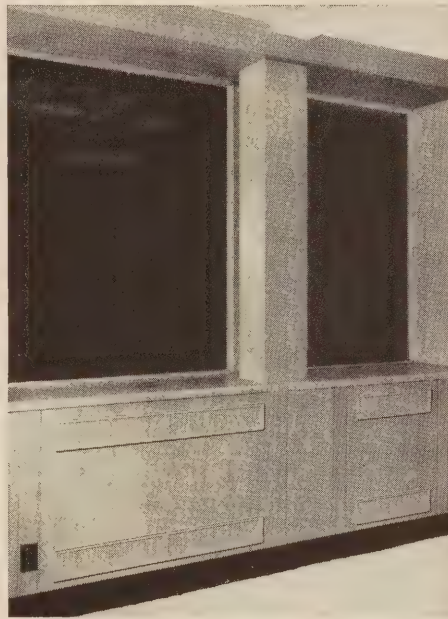
BOOK CASES—Furnished with or without doors in a standard unit of Mills 3" Flush Pilaster Partition and interchangeable with any standard unit. They permit the necessary room that a busy executive needs for certain books he likes to keep in his office.

MILLS flush pilaster partition

The construction details for these accessories may be found on pages 38-42. For illustrations and details of laboratory accessories, see pages 24-25.



CLOSETS—Coat closets made of standard Mills partition sections which match the wall construction exactly, and may contain louvres for forced ventilation. All are equipped with hat shelf and coat rod.



RADIATOR ENCLOSURES—Attractive window stools and grilled radiator fronts with practical, removable panels conceal unattractive radiators. Designed and finished to match the adjacent walls and partitions, the radiator enclosures combine ready accessibility with architectural symmetry.



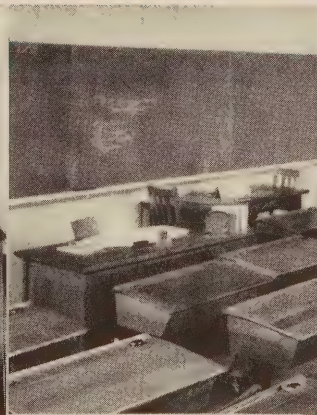
DRINKING FOUNTAIN ALCOVES—Made of standard sections to permit placing the fountain out of the line of hallway traffic.



HOSE CABINETS—Flush door with glass panel which may be easily removed to give access to unit or piping. Concealed hardware with no projections.



VENETIAN BLIND POCKETS—Are incorporated in the window embrasure. They conceal operating mechanism and blind when it is raised, as well as harmonize perfectly with the design of surrounding partitions and wall linings.

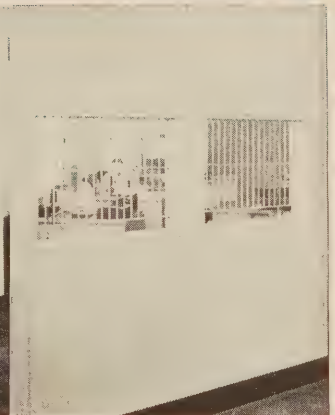


BLACKBOARDS—Modern school design seeks flexibility to permit desirable rearrangements.

Standard size blackboards with customary accessories are adapted to Mills standard partition details to permit rearrangement when it is desirable.



ACCESS DOORS—For access to pipe valves, vent dampers, etc. Size 24" x 24" x 3/4" thick, flush type, fully insulated. Concealed Soss hinges, friction catches, and drop ring pulls which are flush with surface. Vital for maintenance of modern office facilities.



GRILLES—Steel, painted to match partition, slideup type to permit passing large packages. Also furnished hinged on either side or fixed in position.

lightproofing and dustproofing

Lightproofing or dustproofing Mills Flush Pilaster Partitions can be accomplished by lining with felt at the point of contact to the building all wall fillers, base, and top filler. Doors have either automatic felt drops or continuous wipers and thresholds. Lightproof louvers in doors or panels provided if specified. Entrances to lightproof rooms commonly used are either a "baffle" layout or two doors with a small vestibule between.

load bearing capacity

Mills Movable Metal Walls will support steel ceilings (Page 39) over island type industrial offices and other similar small areas (Page 30). They may be reinforced to carry shelves, pipe racks, etc. (Page 25). They are *not* designed to serve in a load bearing capacity as understood in building codes and ordinances.

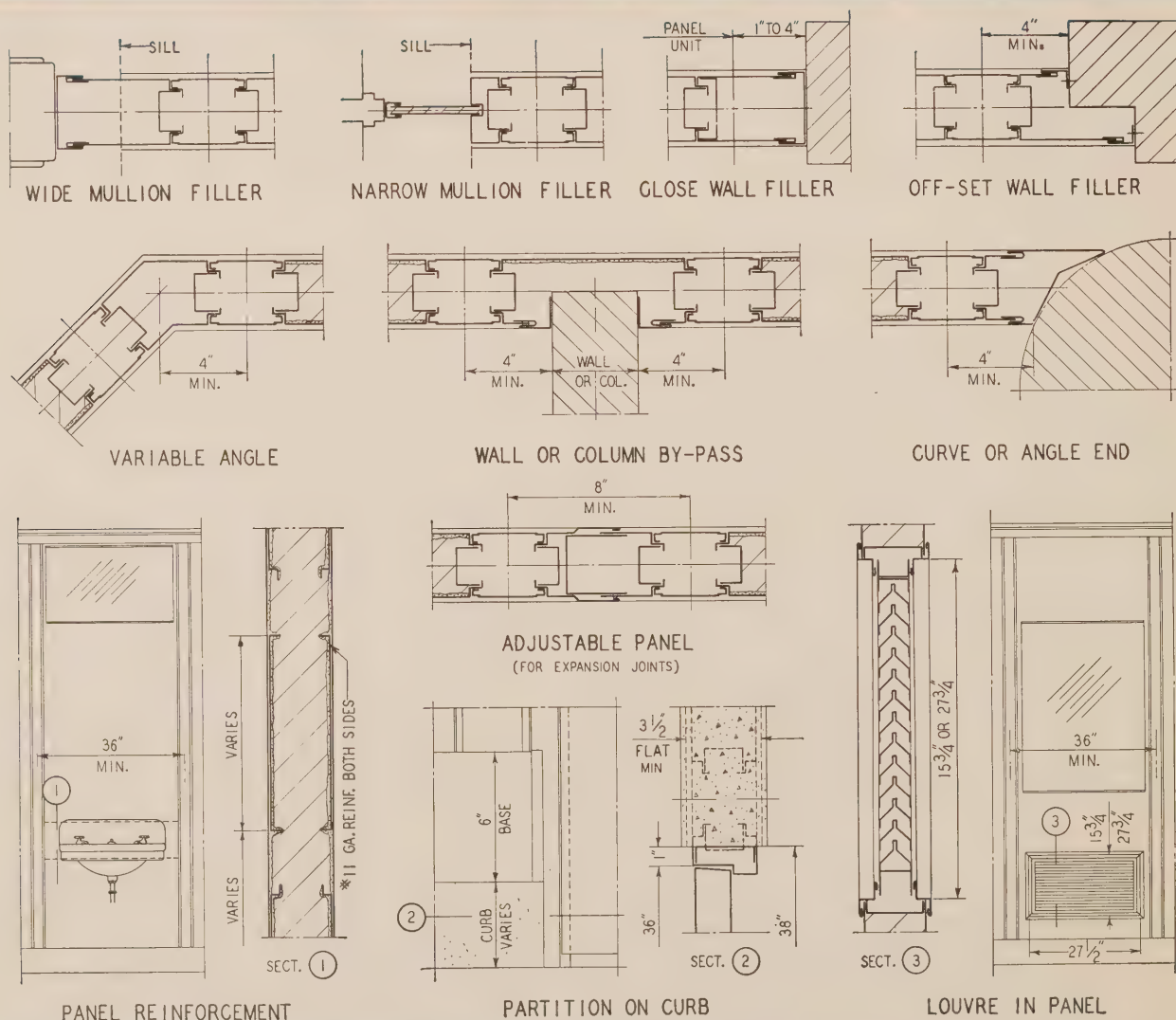
finishes

Flush Pilaster Partitions have baked-on finishes which are highly serviceable and produce fine decorative results. A wide selection of solid colors and fine wood grains are offered. The majority of the colors used are above 30% in light-reflection value. However, on some installations, as when doors and door frames are furnished in a darker contrasting color to the partition proper, the darker colors may run down to 10% in value. The 6" high base is often finished in black or a dark color due to the fact that it receives hard usage from cleaning equipment.

weight

Mills Flush Pilaster Partitions weigh less than eight pounds per square foot compared to more than thirty pounds per square foot for 4" tile and plaster walls.

special conditions



MILLS flush pilaster partition

partitions for sound control

A quiet office pays untold dividends in working efficiency. Standard Mills partitions are soundproofed to correct ordinary noise problems. Where conditions require added sound control, areas are enclosed with specially sound proofed partitions to retard sound transmission.

soundproofing

In all-steel walls, Mills Flush Pilaster Partition is more soundproof than a tile and plaster wall twice its thickness. Rooms which are to be soundproof should contain a minimum number of doors and glazed units. Glazed units should be double glazed with hermetically sealed double lites. All standard door frames are felt lined and in addition should contain either automatic felt drops or continuous wipers at threshold. Soundproofing specifications, as shown on page 21, should be followed where rigid soundproofing requirements must be met.

sound absorption

Mills sound absorbing partitions are for business machine or sound control rooms, where a high degree of sound absorption is necessary. These partitions are desirable only where the treated wall area is equal to or more than the ceiling area. These partitions are made up of perforated panel units whose interiors are packed with sound absorbing material. One or both sides of the panel units may be perforated as necessary for job requirements.



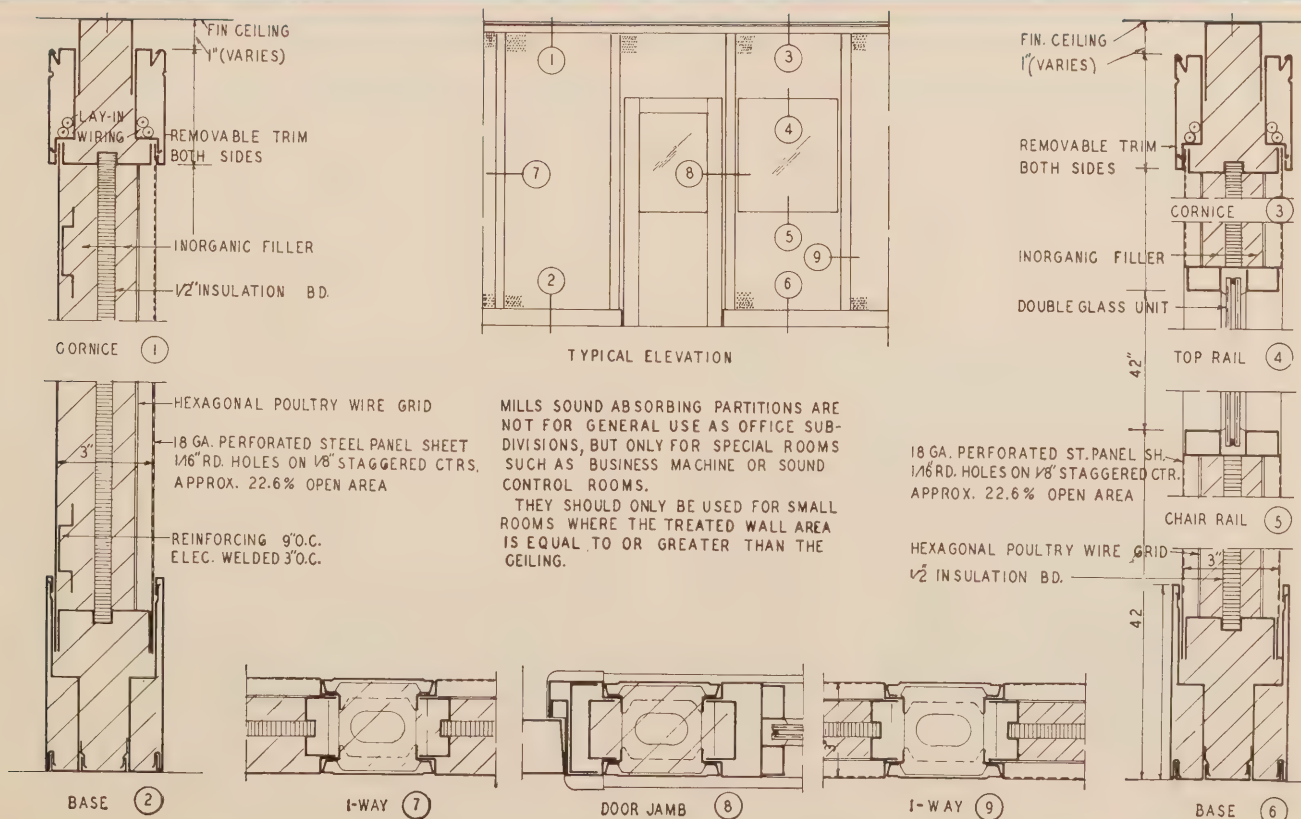
WARNER & SWASEY CO., CLEVELAND, OHIO
A. F. Foose, Architect

Flush Pilaster Partitions glazed with hermetically sealed double lites solve a two-fold problem in a textile laboratory of the Warner & Swasey Co. They maintain high humidity inside and at the same time, exclude testing equipment noise from the workers in the outer room.

thermal insulating qualities

When treated with moisture proof insulmastic and packed with Fiberglas, Mills Flush Pilaster Partition has four times the insulating qualities of a clay tile wall plastered both sides. It affords excellent humidity control, where temperatures are within a normal range. Not recommended where rooms must be refrigerated or exposed to weather.

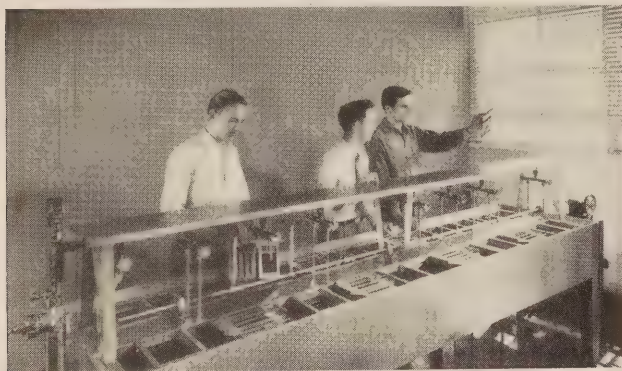
construction details



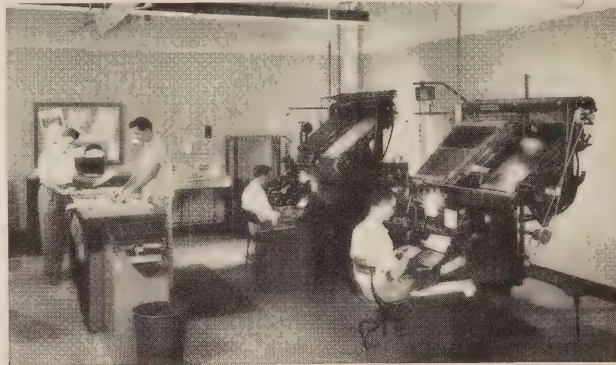
flexible university and school rooms

Flexibility of space within the modern school building is today generally recognized as an essential requisite of a structure that must keep pace with ever-changing educational needs. Mills Partitions provide ideal enclosures for educational work. They are scientifically insulated with solidly packed fiberglas providing soundproof walls. Their wide panels forming perfectly flush walls make cleaning and maintenance easy. They are finished in

pleasing soft colors and are specially treated by an exclusive Mills process to eliminate all harsh light reflection assuring ideal study conditions. They provide an additional safety factor in fireproof construction. Where class rooms, study halls, laboratory and technical workshops must be adapted to meet changes in class sizes or curricula, the rearrangements can be accomplished quickly, easily and at very low cost.



Photographic Laboratory



Typesetting Training Room

*Rochester Institute of Technology, Rochester, N. Y.
William A. Clark, Architect*

Flush Pilaster Partition, 9' 3" elevation with top filler above cornice to ceiling.

sanitary hospital rooms

Mills Flush Pilaster Partitions are well suited for hospital cubicles or as partitions between wards and treatment rooms. Their perfectly flush walls, with smooth baked on enamel finish, are sanitary and easy to clean. They prevent the spread of contagious diseases, prevent drafts, and allow the nurse or attendant complete visibility of all patients in the ward at the same time. In addition, these Cubicles provide easy access to each patient and allow adequate circulation of air. Although permanent in construction and appearance Mills Metal Hospital Cubicles are easily rearranged whenever changes become necessary.

Cubicles are composed of standard interchangeable units of solid steel or with steel and glass construction. they may be obtained in any size depths from a minimum of 5' to a maximum of 10' in multiples of 6". Over 5' Cubicles should be made into 2 panels. Cubicles may be glazed with clear, translucent or re-enforced glass.

The 3" thick Flush Pilaster Cubicle is especially adapted for concealing all wiring for call lights, radio plugs, buzzers and other modern hospital conveniences.

1" thick Metal Flush Type Cubicles are shown and described in a separate catalog.



Babies Ward



Linen Room

*Seton Nursery, Providence Hospital, Detroit, Mich.
Frederick J. Winter, Architect*

Flush Pilaster Steel and Glass Partition, 7' 5" elevation open above.

Specifications

TYPE—Furnish and erect complete The Mills Company Standard Flush Pilaster Movable Steel Partition.

SHOP DRAWINGS—Detail shop drawings indicating plan, elevation and special condition and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—The partitions are to be 3" thick, built in a standard cornice height of either 7'5", 8'10", 9'3" and 10'11½" to the top of the cornice trim as indicated. All units are to be shipped from the factory in one assembly from floor to cornice in widths of 6" multiples not to exceed 48" in all steel and 60" in steel and glass. All are to be interchangeable. All 42" wide panels will interchange with a 42" door sections. Units shall be so assembled that future extensions of either 2-, 3- or 4-way may be joined together without removing the adjacent units or material above the cornice line.

STEEL—All exposed steel shall be cold rolled, furniture stock, properly annealed, process leveled with smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—Shall be flush with the face of post caps and shall be made of two sheets of No. 20 gauge furniture stock, spot-welded around its entire perimeter to a steel frame. The sheets proper shall be reinforced with No. 20 gauge horizontal "hat shaped" stiffeners spot-welded on 3" centers, and these stiffeners shall appear approximately every 9" in the height of a sheet.

The inside of each sheet shall be sprayed with one coat of sound deadening insulating material minimum ¼" thick (furnished when specified).

The space between the panels sheets shall be packed solid with an inorganic filler for further sound absorption and backing to the sheets.

Glass openings to be provided in the upper portions of panels for either single or double glazing as indicated in the elevation. Top rails and transom rails of steel and glass panels shall be tenoned into mortises in side moulds and spotwelded in place, forming a direct interlocking rigid joint.

DOORS—Shall be 1¾" thick, with ⅜" clearance at jambs and heads. They shall be made of the flush design with No. 18 gauge 5" wide stiles flush with No. 20 gauge panels, which shall be sound deadened with packing. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement ⅜" plate, lock reinforcement No. 16 gauge, check reinforcement No. 14 gauge). The standard swing door with frame shall fit a 42" wide section and be approximately 3' x 7'. Glass mouldings to be secured without the use of screws. Frames of No. 18 gauge shall be unit type and adjustable. Adjustment shall be at floor line by means of internal channels anchored securely to floor and each jamb shall level independently maintaining horizontal top lines and glass lines throughout the installation. Frames shall be lined with felt at head and jambs.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. (See Hardware Information, Pages 43-45).

Doors shall be provided with two 5" x 4" loose pin ball bearing butt hinges.

TRANSOMS—To be center pivoted and operated by a concealed transom operator with handle located 4'6" off floor.

BASE—The base shall be No. 18 gauge 6" high with ¼" projection. It shall be of flat sanitary design and run continuous along the entire bottom of both sides of the partition without the obstruction of plinth blocks at the pilaster point. Base to be attached to vertically adjustable clips mechanically applied to bottom of the panels. Base shall be removable from either side to provide ready access to lay-in wiring conduit and be adjustable for floor irregularities.

CORNICE—Shall be made to run continuous over top of all units. The internal cornice shall be of No. 18 gauge and provide maximum rigidity for horizontal bracing and also provide a lay-in type wire raceway accessible from either side of the partition. The internal cornice and wire raceway to be concealed with a snap on ornamental cornice trim of No. 19 gauge.

WALL FILLERS—Shall be No. 20 gauge and telescopically adjustable. All raw steel edges and wall fastenings shall be concealed.

FLUSH PILASTER CAPS—Shall be No. 20 gauge rolled shape of flat ornamental inlay design. The surface of same to be flush with face of panels. Caps shall be removable for disassembly and wiring.

FLOOR CONNECTIONS—Shall be concealed by the base and fit below each post. They shall be securely fastened to the floor. They shall also be provided with vertical threaded studs and leveling wheels to take care of floor irregularities.

CORNICE CONNECTIONS—The cornice shall be tied to the posts by means of a hook bolt and a split key wedge to draw the cornice down tight to the units. No bolts, screws or nuts to be used.

PANEL CONNECTIONS—The panels and door units proper are to be connected by means of a No. 11 gauge compression and tension clip that properly aligns and holds the units rigid. The clips are to be provided with wiring hole to permit vertical wiring and shall also be provided with projections for "snapping on" flush pilaster post cap that is held in place by friction without the use of screws, bolts, nuts etc. These clips to be so designed to permit application of same at any point in the height of the unit.

TOP FILLER—(Omit if no top filler required). Mineral board top fillers for partitions that extend to ceiling shall be applied over studs set 24" on center. Top filler shall be double sheet mineral board ¼" thick. Joints to be buttered with compound used for that purpose and covered with perforated zinc tape to make joints invisible and prevent cracking. It shall be painted to match ceiling by painting contractor.

Steel top filler of No. 20 gauge for partitions that extend to the ceiling shall be double steel with single flush line joints. Top filler shall be removable.

FINISH—All partitions, doors and miscellaneous parts are to be permanently finished before shipment—thoroughly cleaned free from oil and given a prime and a finish coat of synthetic enamel, each coat shall be oven-baked. Between prime and finish coat the material shall be sanded to smoothness. Finish shall be Mills Color No. ... or color to be as selected.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be bedded in putty and back puttied. Putty shall be colored to match the finish of adjacent metal work. Glazing molds shall be an integral part of glass frame. They shall be self-seating and insure a positive stop on glass at all times. Loose glazing stops and exposed screws shall not be used.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Glass and metal surfaces shall be cleaned and left free from scratches. Provide reinforcements to ceiling or bracing on runs exceeding 20' in length unsupported by cross runs. (See Page 14 for Ceiling Post Details).

SOUND PROOFING SPECIFICATIONS—*Flush Pilaster Partition runs which are to have maximum soundproofness should be indicated on plans as "soundproof" and the following specifications added:*

SOUNDPROOFING—Partition post connections, base and cornice and wall fillers shall be solidly packed with glass wool during erection of partitions. Point of contact of partition base with floor shall be sealed with felt which shall make continuous contact with the floor and with the base. Top filler (if any) shall be solidly packed with glass wool for its full height. Glazed partition runs shall be glazed with hermetically sealed double glass panels or separate lite of glass set approximately 2" apart in felt with removable frame to permit easy cleaning of glass at any time. Hermetically sealed double glass panels shall have all four edges of the double glass lites well sealed with putty to prevent sound leakage around glass. Automatic felt drops shall be furnished at each door and door frames shall be lined with felt.



President's Office, Waters Manufacturing Corporation, Detroit, Michigan. 9'3" elevation wall lining, 3'11" elevation at window sills, 10" steel at headers.

For uniformity of architectural design in building interiors, inside masonry walls and exterior walls may be lined with standard flush panel units of the same strong, all-welded construction as the 3" thick partition. Flush Pilaster Partitions, Wall Linings and Railings can be easily interconnected because their universal posts are identical.

Advantages are numerous when all-steel interiors are installed. Pre-engineered units and "dry" construction methods eliminate the grief and delays of erecting masonry walls. Consequently new buildings are occupied more quickly, with obvious savings, and normal office routine is resumed sooner in old buildings being modernized.

Mills Flush Pilaster Wall Linings provide complete accessibility to the multiple concealed heating, air conditioning and wiring facilities of modern structures. In laboratories where quick access to mechanical serv-

ices, such as high and low tension electricity, compressed air, gas, steam, hot and cold water, and exhaust ventilation is vitally necessary, there can be no better wall than a movable metal wall.

The steel surfaces of Mills Wall Linings and Partitions are permanently finished at the factory. This means the elimination of the yearly maintenance cost of repairing and repainting plaster walls and columns.

All radiators are enclosed, all accessories such as hose cabinets and access doors are flush with the wainscot or partition. (See pages 16-17, 38-42). Flat surfaces make cleaning easy; an occasional washing down with soap and water suffices. No dust accumulates on the projection-free surfaces. For their permanence, economy and quality workmanship, Mills Flush Pilaster Wall Linings provide the best modern interior for fine buildings.

MILLS flush pilaster wall lining

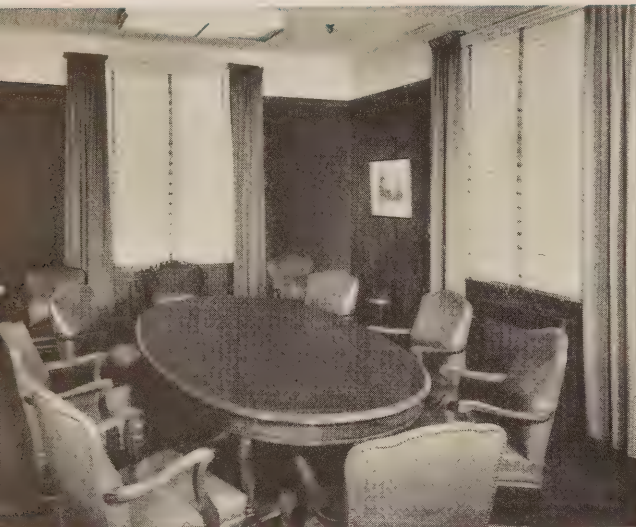


*Reception Lobby
Cleveland Worm & Gear Co.
Cleveland, Ohio
10' 1½" elevation, ceiling
high
George S. Rider Co.,
Architect*

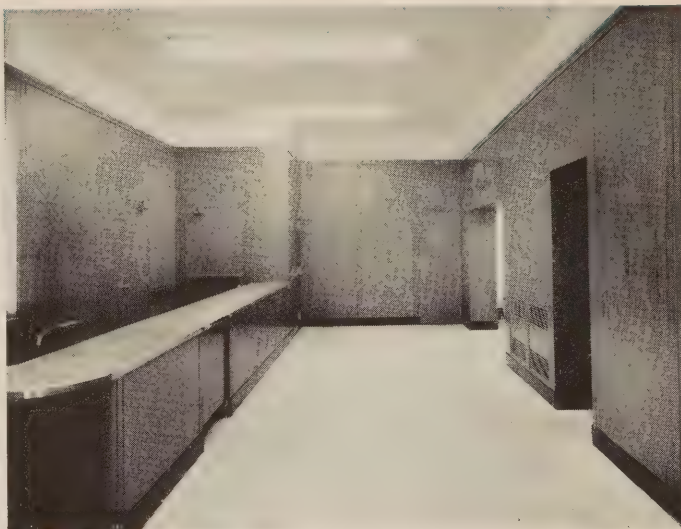


*President's Office
Detroit Steel Corporation
Detroit, Michigan
8' 10" elevation, ceiling
high
O'Dell, Hewlett and
Luckenback, Architects*

distinctive lobbies and conference rooms



Directors Room, Cleveland Worm & Gear Co., Cleveland, Ohio. 8' 10" elevation, Flush Pilaster Wall Lining, top filler above cornice to ceiling. George S. Rider Co., Architect.



Reception Lobby, Dayton, Ohio 10' 1½" elevation, Flush Pilaster Wall Lining, 42" high railing with counter.

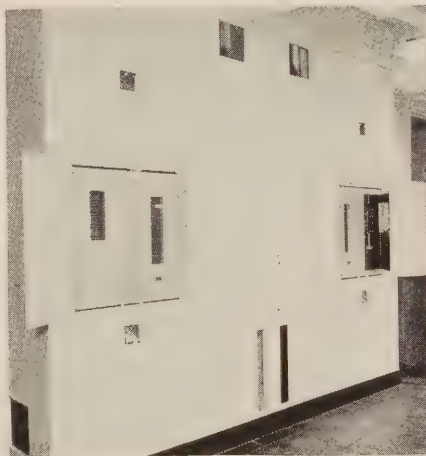
adaptable research laboratories

U. S. Naval Ordnance Laboratory, White Oak, Maryland



corridor, left—Flush Pilaster Partition with wall lining opposite, showing window embrasures, doors and transoms.

large laboratory room, below—Wall lining with window embrasures and radiator enclosures at left. Flush Pilaster Partitions at right.



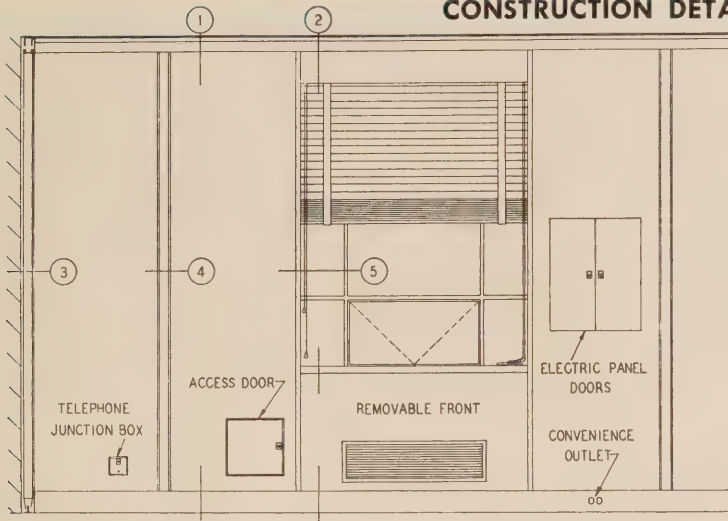
Over four miles of Mills Company standard and special custom built partitions, wall linings and general laboratory, office, cafeteria, engineering and mechanical testing laboratory built to U. S. Navy's exacting requirements.



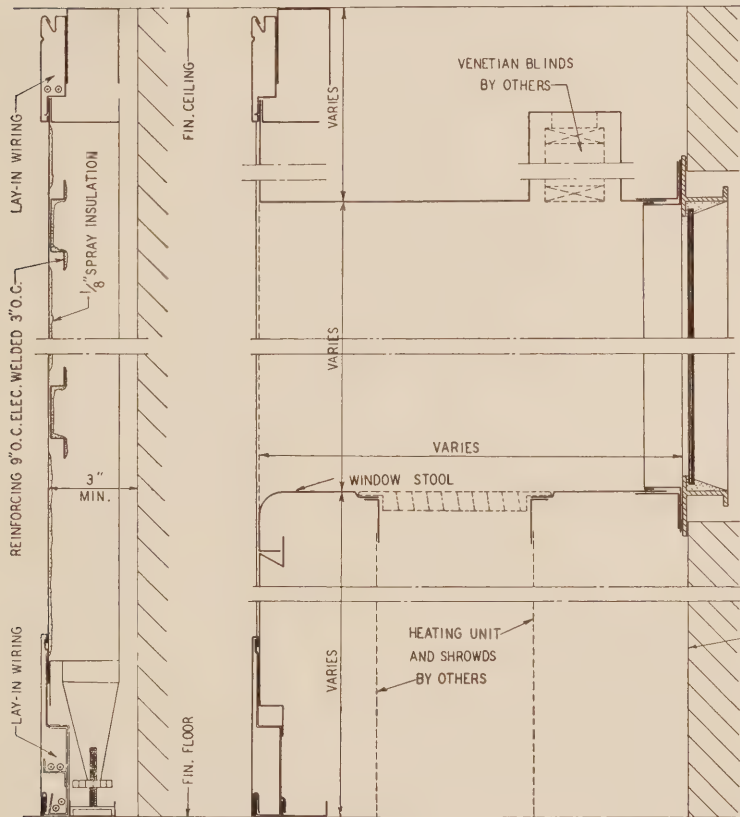
utility shaft enclosure, above—Contains access doors for electric control panels, snap-in covers for switches, speaker outlets, electrical raceways, fume hood exhausts, and air conditioning grilles.

MILLS flush pilaster wall lining

CONSTRUCTION DETAILS

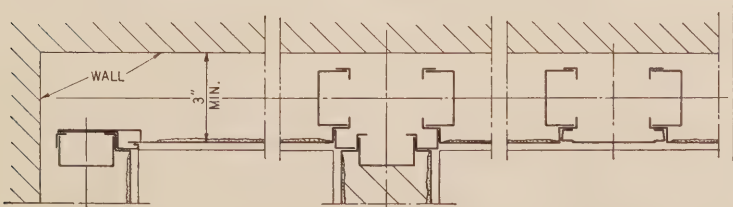


WALL LINING ELEVATION



SECTION 1

EMBRASURE SECTION 2

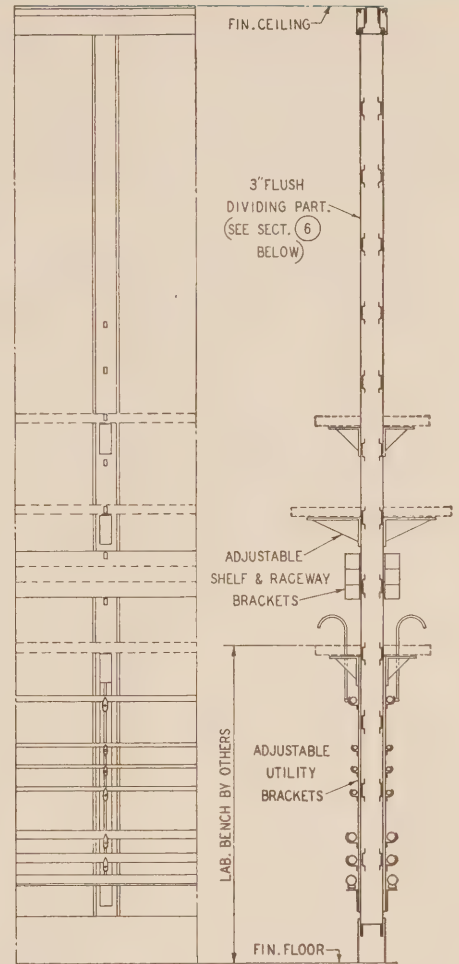


CORNER 3

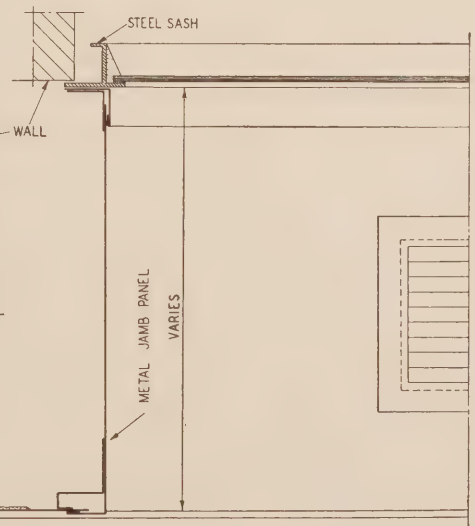
DIVIDING PART. 6

STRATE 4

REVEAL 5



LABORATORY ACCESSORIES 6



Specifications

TYPE—Finish and erect complete The Mills Company Standard Flush Pilaster Movable Metal Wall Lining.

SHOP DRAWINGS—Detail shop drawings indicating plan, elevation and special condition and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—Wall lining panels shall be made as far as possible in standard cornice heights of 7'5", 8'10", 9'3" or 10'1½". Standard widths of the wall lining panels shall be interchangeable and be in multiples of 6" starting at 24" and finishing at 48".

STEEL—All exposed steel shall be cold rolled, furniture stock, properly annealed, process leveled with smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—Shall be flush with the face of post caps and shall be made of one sheet of No. 20 gauge furniture stock, spot-welded around its entire perimeter to a steel frame. The sheet proper shall be reinforced with No. 20 gauge horizontal "hat shaped" stiffeners spot-welded on 3" centers and these stiffeners shall appear approximately every 9" in the height of a sheet. The inside of the sheet shall be sprayed with one coat of sound deadening insulating material approximately ⅛" thick.

WINDOW EMBRASURES—Shall be of No. 20 gauge steel to harmonize with the design of the wall lining, to be attached to window sills, jambs and head with adjustable connections to accommodate building irregularities. The depth of the embrasure to be equal to the distance from the face of the sash to the face of the wall lining that it joins, giving ample clearance to cover possible obstructions below the window sill such as radiators, convectors, utility pipes, etc. (Note where required.) Embrasure header of No. 20 gauge shall be designed with metal recessed pocket to conceal venetian blinds when in raised position as specified in "work by others."

RADIATOR ENCLOSURES—FIXED TYPE—Shall be made of a front similar in construction to that of the adjacent wall lining except it shall be of a height equal to sill height of the window or conveniently cover the top of the radiator. The front shall have either an opening at the floor or a fixed grille for intake air circulation while the top of the enclosure is of one-piece metal fastened to either wall or sill of sash to form a window stool. This stool to be arranged with perforations or fixed grille to permit radiation of heat from the unit below. The front of the enclosure shall be finished at the floor with a continuous 6" high base that is a continuation of the same base of the adjacent wall lining panel.

RADIATOR ENCLOSURES—REMOVABLE TYPE—The apron (front) shall be removable, made of No. 16 gauge steel and shall have a grille opening for air and heat circulation. It shall be of sufficient width to provide easy access to radiators, convectors, etc.

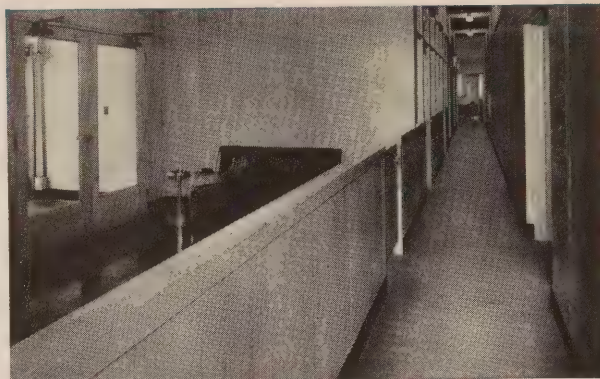
The stool (sill) shall be perforated for air and heat circulation and be made of No. 16 gauge steel and of design shown on the plans (glass or marble stools furnished by others). Also baffles and heat deflectors and insulation of masonry wall to be furnished by others.

DOORS—Shall be 1¾" thick, with not more than ⅜" clearance at jambs and heads. They shall be made of the flush design with 5" wide No. 18 gauge stiles flush with No. 20 gauge panels, which shall be sound deadened with packing. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement ⅜" plate, lock reinforcement No. 16 gauge, check reinforcement No. 14 gauge.) The standard swing door with frame shall fit a 42" wide section and be approximately 3' x 7'. Glass moldings to be secured without the use of screws. Frames of No. 18 gauge shall be unit type and adjustable. Adjustment shall be at floor line by means of internal channels anchored securely to floor and each jamb shall level independently maintaining horizontal top lines and glass lines throughout the installation. Frames shall be lined with felt at head and jambs.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. (See Hardware Information, Pages 43-45.)

Doors shall be provided with two 5" x 4" loose pin ball bearing butt hinges.

BASE—The base shall be No. 18 gauge 6" high with ¼" projection. It shall be of flat sanitary design and run continuous along the entire



*Lobby and Corridor
Waters Manufacturing Corporation, Detroit, Michigan
9'3" elevation, Flush Pilaster Wall Lining, 42" high railing.*

bottom of the wall lining and radiator enclosures, without the obstruction of plinth blocks at the pilaster point. Base to be attached to vertically adjustable clips mechanically applied to bottom of the panels. Base shall be removable to provide ready access to lay-in wiring conduit.

CORNICE—Shall be made to run continuous over the top of all units to provide rigidity for horizontal bracing and provide a lay-in type wire raceway accessible from the face of the wall lining. This raceway and internal cornice to be covered with a snap-on ornamental trim of No. 19 gauge.

FLUSH PILASTER CAPS—Shall be No. 20 gauge rolled shape of flat ornamental inlay design. The surface of same to be flush with face of panels. Caps shall be removable for disassembly and wiring.

FLOOR CONNECTIONS—Shall be concealed by the base and fit below each post. They shall be securely fastened to the floor. They shall also be provided with vertical threaded studs and leveling wheels to take care of floor irregularities.

PANEL CONNECTIONS—The wall lining panels and radiator enclosure fronts shall be connected by means of a No. 11 gauge combination compression and tension clip that is applied from the face of the wall lining without the necessity of getting on the back side of the wall lining for its application. This clip provides a rigid connection and has projections on same for snapping post cap in place to be held by friction without the use of screws or bolts. This clip shall be designed for spacing any position in the height of the wall lining panel and take a minimum amount of space between the masonry wall and the metal wall lining.

TOP FILLER—(Omit if no top filler required.) Mineral board top fillers for partitions that extend to ceiling shall be applied over studs set 24" on center. Top filler shall be single sheet mineral board ¼" thick. Joints to be buttered with compound used for that purpose and covered with perforated zinc tape to make joints invisible and prevent cracking. Filler shall be painted to match ceiling by painting contractor.

Steel top filler of No. 20 gauge for partitions that extend to the ceiling shall be single steel with single flush line joints. Top filler shall be removable.

FINISH—All partitions, doors and miscellaneous parts are to be permanently finished before shipment—thoroughly cleaned free from oil and given a prime and a finish coat of synthetic enamel, each coat shall be oven-baked. Between prime and finish coat the material shall be sanded to smoothness. Finish shall be Mills Color No. ... or color to be as selected.

ERECTION—Wall lining panels shall be erected in a rigid manner, straight and plumb, with horizontal lines level. The face of all material shall be a minimum of 3" from the rough wall to provide ample space to cover up any irregularities or wall being out of plumb. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Metal surfaces shall be cleaned and left free from scratches.

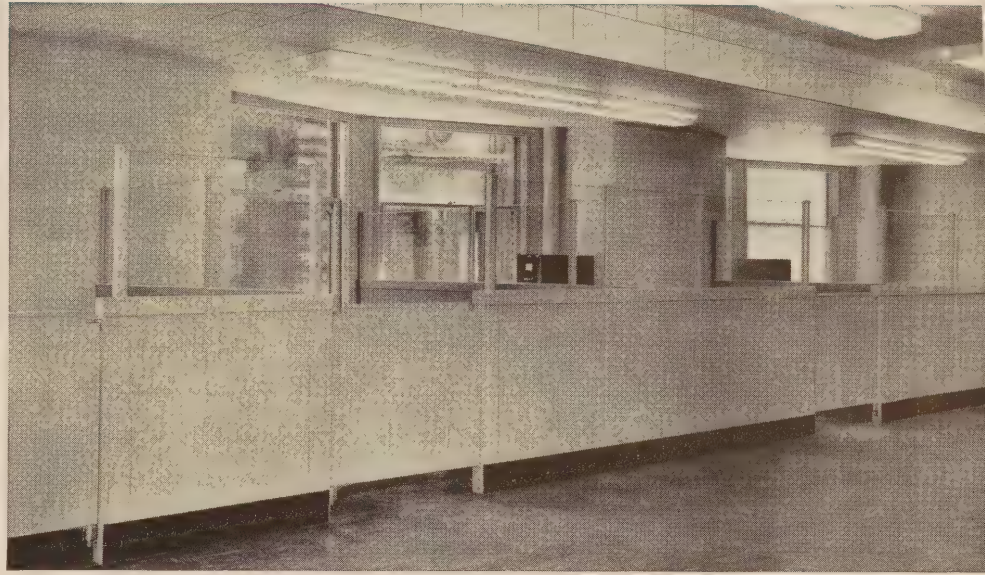
MILLS flush pilaster railings

Mills Flush Pilaster Railings are furnished in the same basic design and construction as full height Flush Pilaster Partitions. Standard height for all railings is 42". Handrail is continuous.

Mills Glazed Railings consist of standard height railing, topped by glass held in rigidly attached posts. The glass may be clear, translucent or reinforced, and extends 24" above the railing. An ornamental post cap holds the glass firmly.

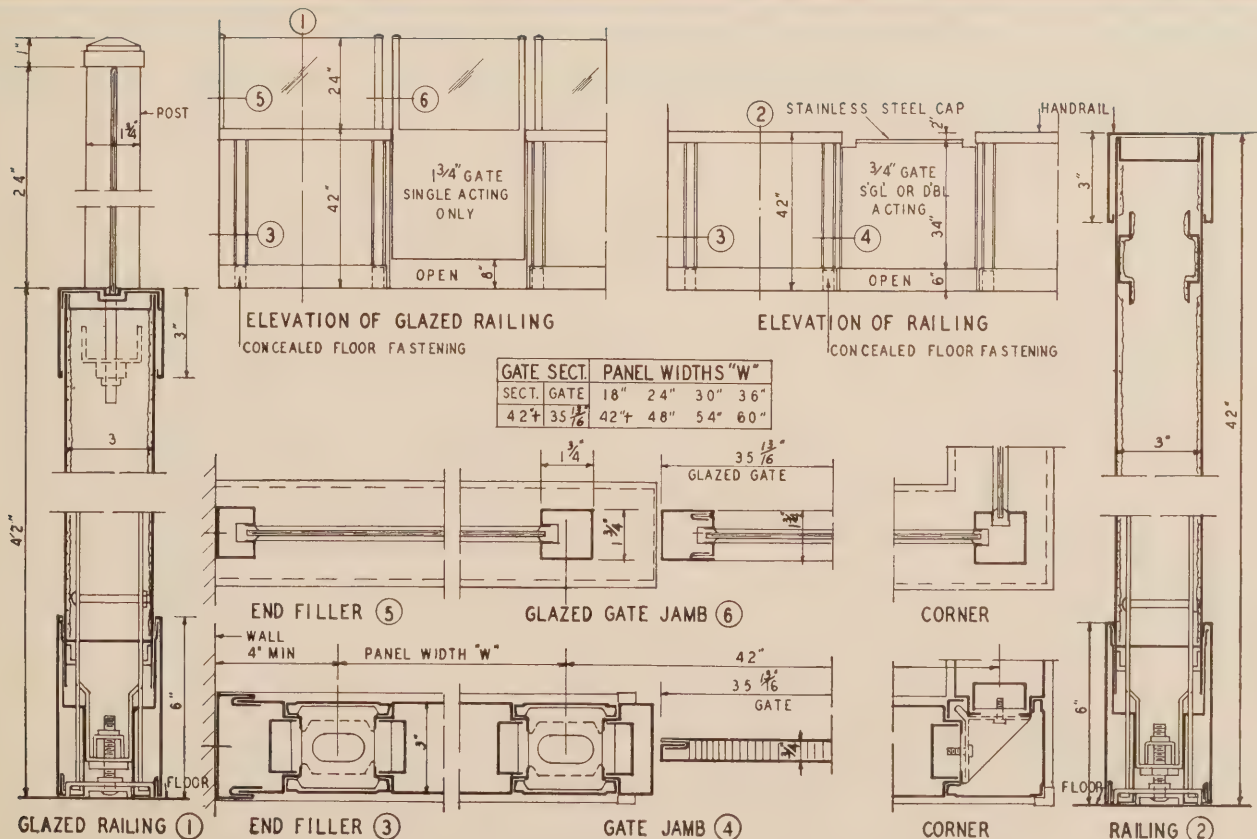
All panel and gate units of the same width are interchangeable. Since full height Flush Pilaster Partitions, Wall Linings and Railings have the same universal post, all types are easily interconnected without fillers or special attachments.

Flush Pilaster Railings are fastened rigidly to the floor with concealed anchors and are available in the same finishes as full height Flush Pilaster Partitions. In-swinging gates are recommended where they are feasible.



*Society for Savings Bank, Cleveland, Ohio
Flush Pilaster Railing, 42" steel, 24" glass.
Garfield, Harris, Robinson and Schaefer, Architects.*

construction details



for moulded line design



Mills Executive Partition is recommended for offices in commercial or public buildings, schools, or industrial plants where all the features of Mills Flush Pilaster Partition are not required. Panel and glass units are framed by a curved moulding.

Lower Panels are $\frac{3}{8}$ " thick and fabricated from two sheets of high grade furniture steel with an efficient sound-deadening material between. The unit thus formed is then fitted into horizontal and vertical mouldings which produce the panelled appearance and at the same time insure added strength.

Upper Panels are the same in all-steel panels, but may be of glass, securely held in place without the use of screws or any exposed fastenings.

Standard units are interchangeable and are made in multiples of 5" widths for all standard cornice heights. Door sections are interchangeable with any 40" wall panel. This interchangeability means economy in installation and insures rapid, inexpensive rearrangement for future needs. Mills Partitions are practically 100% salvageable. Posts, base and cornice are all accessible for easy wiring. Transoms, grilles, and wickets are standardized and easily inserted.



Close up view of pilaster at cornice

*above:
Cleveland Graphite Bronze Corporation
Cleveland, Ohio
Executive Type Partition, 7'4" elevation with double
mineral board top filler over cornice to ceiling.*

Specifications

The partition shall be built in standard cornice height units—7' 4", 8' 8", 9' 2" or 10' 4".

UNITS—Are to be shipped from factory assembled, consisting of moulded base, lower panel, chair rail and sash for glass. The lower panel shall be 42" high from the floor to the top of the chair rail and shall be approximately $\frac{3}{8}$ " thick, composed of 2 sheets of steel with insulating core between. The panel and glass units shall be framed by mouldings both horizontal and vertical. The chair rail shall be one piece tubular and molded section—not less than 4" overall, all to be rigidly fabricated at the factory and shipped as one unit.

The units shall be 20, 25, 30, 35, 40, 50 or 60" in width designed to be interchangeable. A 20" and 30" unit shall exactly replace a 50" panel, etc. Doors shall be interchangeable with any 40" panel.

IN ERECTING—Units shall be tied together with a special designed friction clip allowing ample space between the section for concealed wiring and placing of standard electric switches. The clip shall be designed to hold the post cap tightly in place by means of friction.

Panels shall be tied together at the top with an ornamental cornice reinforced with a heavy gauge channel designed for necessary strength.

Adjustment for uneven floors shall be accomplished by a telescopic base rigidly attached to the floor by means of a specially designed floor clamp which will hold the base in alignment and provide for vertical adjustment by means of a screw adjusting leveler. Fastenings shall be entirely within the post and entirely concealed by post caps and plinth block.

All movable glass stops shall be fastened without exposed screws.

IN CEILING HIGH PARTITION—The space from the cornice to the ceiling shall be filled by double mineral board fillers neatly finished at the ceiling and with smooth joints.

In cases where glass is desired above the cornice, superstructure shall be built up of standard sections as below the cornice.

Runs over 18' in length shall be reinforced with a concealed post to the ceiling.

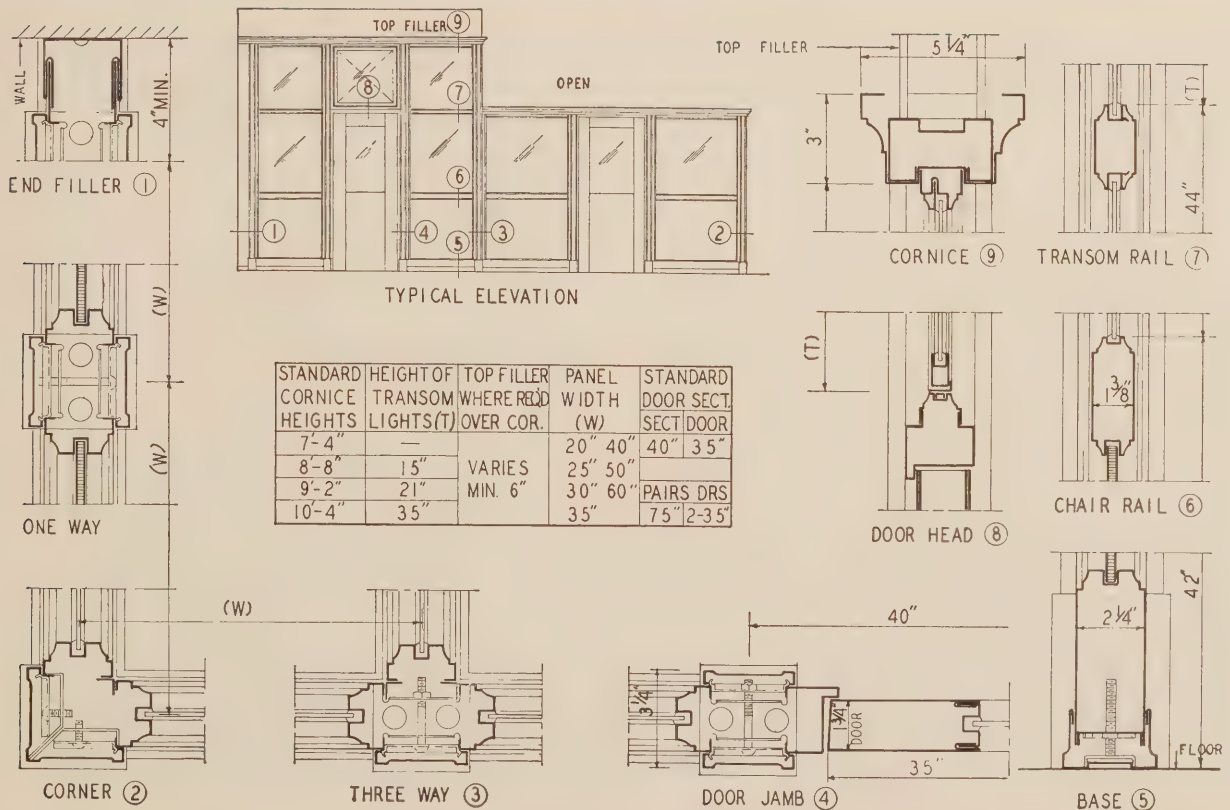
Ceiling high partitions, whether furnished with filler or superstructure shall permit the removal of any unit below cornice without disturbing anything above cornice. Connections at walls or column to be made with telescopic wall fillers to permit adjustment.

Partitions shall be standardized for transoms, ventilators, wickets, to replace a glass light.

DOORS—Shall be flush design with 5" wide stiles and flush panels. All doors shall have heavy reinforcement for hardware rigidly welded in place. The standard swing door with frame shall fit a 40" wide section and be approximately 3' x 7'. Glass shall be held in place on all four sides with moldings without the use of screws.

HARDWARE—Doors shall be provided with two 5" x 4" loose pin ball bearing butts and shall be cut out to accommodate any of five styles of Yale and Towne locks, ranging from an ordinary bitt key to a high-grade cylinder lock.

construction details



for economical office subdivision

Mills Semi-Flush Partition is recommended for any flexible space subdivision where a partition with modern, straight lines is desired, where all the features of Mills Flush Pilaster Partition are not required, and where cost is a factor.

Lower panels, 1½" thick, are fabricated of two sheets of high grade furniture stock spotwelded to channels around entire perimeter and packed solid with glass wool. Edges of the panel are closed to exclude dirt and moisture and to form solid units. These units are fitted into the base, posts, chair rail and cornice.

Upper panels are the same in all-steel panels, but may be glass, securely held in place without the use of screws or exposed fastenings.

Panel and door units of the same width are interchangeable which means economy in installation and insures rapid, inexpensive rearrangement to meet future needs. Mills Semi-Flush Partitions are practically 100% salvageable.

Cornice, base and posts are unobstructed to provide for easy wiring. Switches and outlets are easily accommodated in the posts without any special preparation. Transoms, grilles and wickets may be easily inserted without disturbing adjoining panels.

Finished in modern colors of baked-on enamel which provide long wear and are easy to maintain.

Specifications

TYPE—Furnish and erect complete The Mills Company Standard Semi-Flush Steel Office Partition.

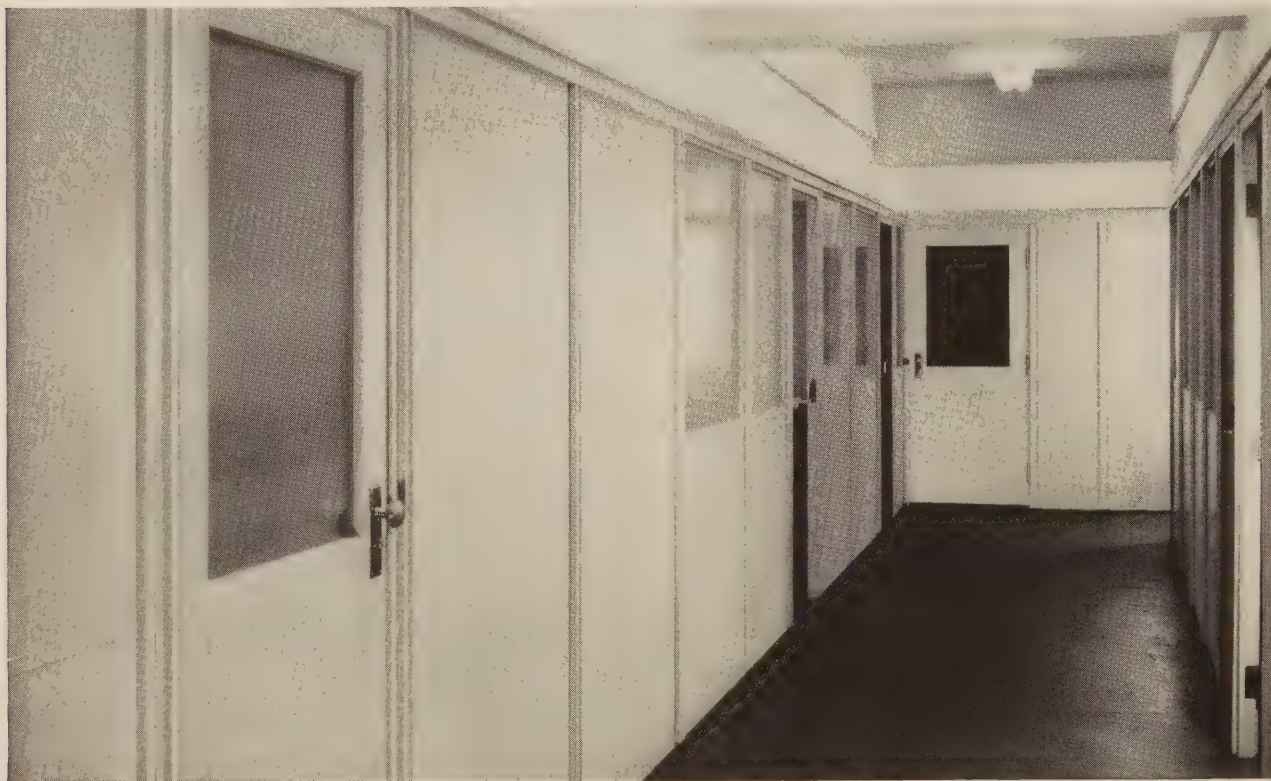
SHOP DRAWINGS—Detail shop drawings indicating plan, elevation and special condition and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—All units shall be built in widths of 10" multiples ordinarily not exceeding 50". Larger units are also available. Panels are constructed so that 40" units shall be interchangeable with standard 40" door units or so that two 40" units or a 50" and 30" unit or four 20" units will fit into an 80" space. The units shall be constructed and assembled so that future extensions of 2-, 3- or 4-way may be joined together without removing adjacent units or using filler.

STEEL—All exposed steel shall be cold rolled, furniture stock, properly annealed, process leveled with smooth, clean surfaces. Gauges specified are United States Standards.

PANELS—Partitions shall be assembled of standard units of No. 20 gauge panels, No. 18 gauge posts, No. 20 gauge chair rails, No. 22 gauge transom bars and sash. Steel panels shall consist of two sheets of 20 gauge steel spotwelded to internal channels around entire perimeter and packed solid with an inorganic filler (fiber-glass) for sound absorption and backing to sheets. Each panel sheet shall have hat shaped horizontal stiffeners located 14" on center, spotwelded 3" on center. The lower steel panel shall be approximately 42" high and the remaining glass or steel panels shall be in standard units of 44½" or 22¼" high. The units shall be assembled vertically between the posts by means of concealed bolts. Horizontal H-sections shall run between posts and interlock units to provide maximum rigidity. Glass sections shall have single lites of glass in all units up to 50" in width. Units over 50" in width shall have the sash frame divided into two lites of glass by a vertical muntin bar.

POSTS AND POST CAPS—Posts shall be No. 18 gauge 3" square—one side removable to provide space for wiring and attachment of concealed bolts extending from the panels, glass frames and door frames. The faces of posts to be recessed to receive panels, glass frames, etc., to conceal raw edges and form a light shield.



Footo Mineral Co., Philadelphia, Penna.

Semi-Flush Partition, 7'4½" elevation, double mineral board above to ceiling

MILLS semi-flush partition

Bottom of posts to have openings for wiring. Post caps shall be of the same general design as the posts and to snap on over blisters provided in the posts to hold them securely in place without the use of screws, bolts or nuts.

POST PLINTHS—A 2½" high metal plinth block is to be applied on each side of the post at the floor line to cover up the shims below the post and present a finished appearance. The plinths are held in place by a protruding tongue that fastens below the bottom shim.

BASE—Shall be No. 20 gauge 3" high and fit over a floor channel for telescopic adjustment to take care of floor irregularities and provide concealed chamber for wiring.

CORNICE—Where required shall be a 4½" wide and 3½" high of No. 18 gauge two-piece box type construction. Cornice shall be hollow to allow for concealed wiring.

WALL FILLERS—Shall be No. 20 gauge and telescopically adjustable. All raw steel edges and wall fastenings shall be concealed.

TOP FILLERS—(Omit if no top filler required.) Mineral board top filler for partitions that extend to ceiling shall be applied over studs set 24" on center. Top filler shall be double sheet mineral board ¼" thick. Joints to be buttered with compound used for that purpose and covered with perforated zinc tape to make joints invisible and prevent cracking. Filler shall be painted to match ceiling by painting contractor.

Steel top filler No. 20 gauge for partitions that extend to the ceiling shall be double steel with single flush line joints. Top filler shall be removable.

DOORS—Shall be 1¾" thick with ⅜" clearance at jambs and head. They shall be made of the flush design with No. 18 gauge

5" wide stiles, flush with No. 20 gauge panels, which shall be sound deadened with packing. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement ⅜" plate, lock reinforcement No. 16 gauge, check reinforcement No. 14 gauge.) The standard swing door with frame shall fit a 40" wide section and be approximately 3' x 7'. Glass mouldings to be secured without the use of screws. Frames of No. 18 gauge shall be unit type—factory welded and finished.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. (See hardware information, Page 43-45.)

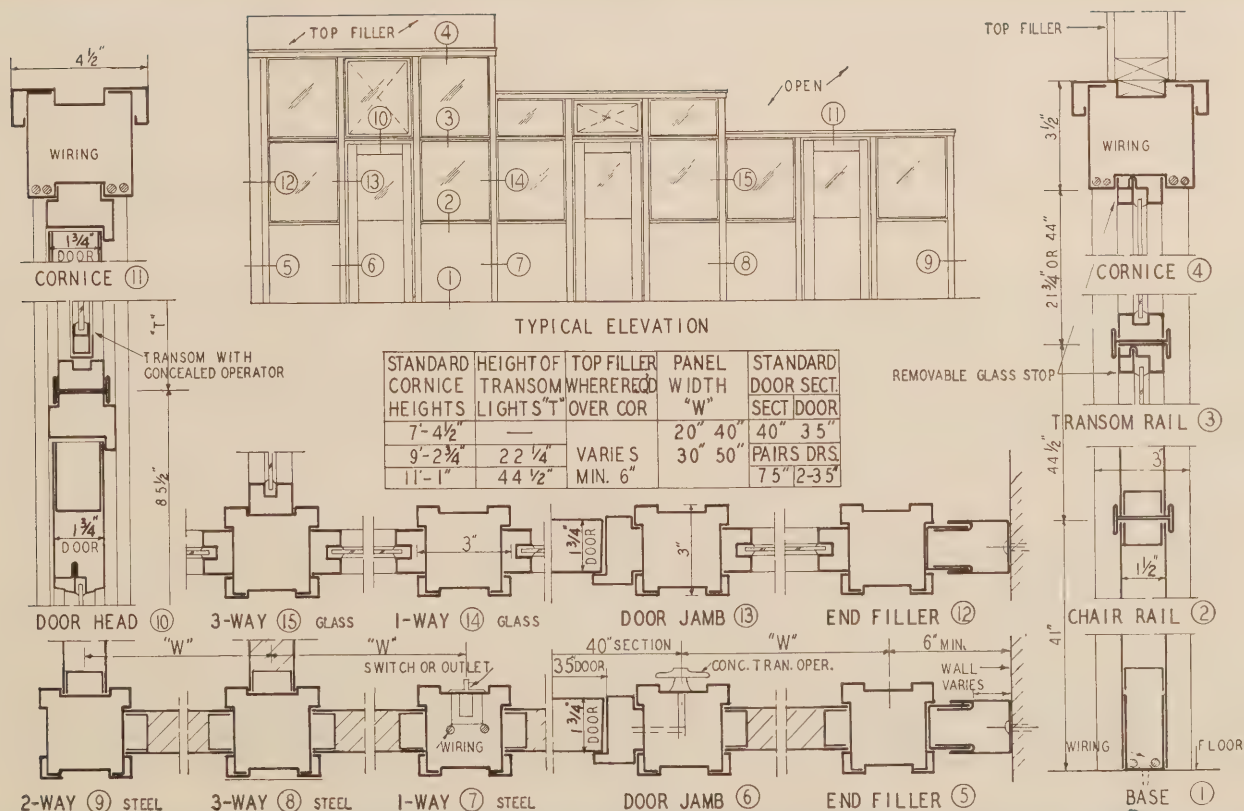
Doors shall be provided with two 5" x 4" loose pin ball bearing butt hinges.

FINISH—All partitions, doors and miscellaneous parts are to be permanently finished before shipment—thoroughly cleaned free from oil and given a coat of rust-retarding primer and a finish coat of synthetic enamel, each coat shall be oven-baked. Finish shall be Mills Color No. . . . ; or color to be as selected.

GLASS AND GLAZING—(Omit if no glass required.) Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be bedded in putty and back puttied. Putty shall be colored to match the finish of adjacent metal work. Glazing stops and muntins shall be applied without the use of screws or bolts.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Glass and metal surfaces shall be cleaned and left free from scratches. Provide reinforcements to ceiling or bracing on runs exceeding 20' in length unsupported by cross runs.

construction details



for industrial plant subdivision

Mills Commercial Partitions, because of their unlimited adaptability, are recommended for factories, warehouses, institutions, training schools and all industrial installations. They may be used to define departmental divisions, to provide offices for production personnel and plant supervisors, to create stockrooms and tool cribs, and to form other subdivisions in industrial plants.

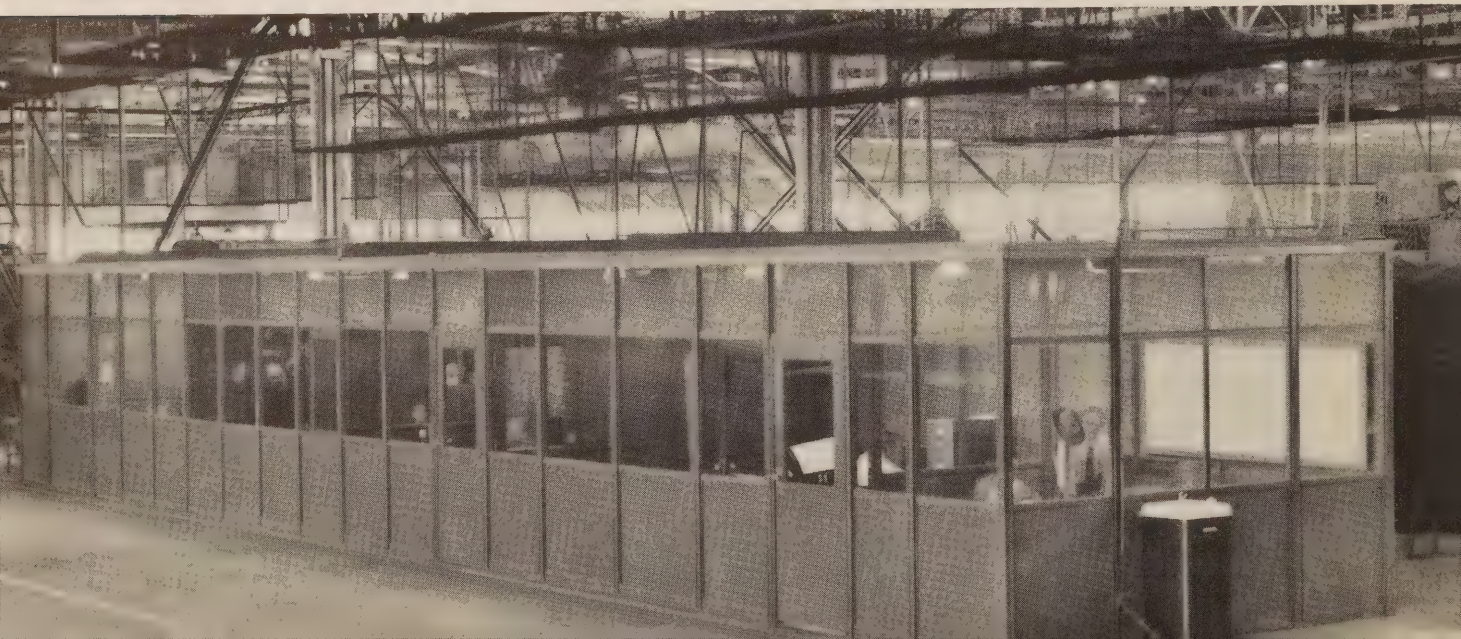
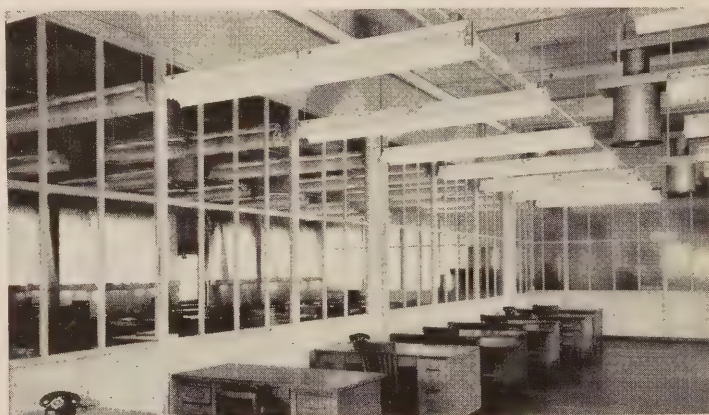
The partitions may be extended to any ceiling height with continuous posts running from floor to ceiling. Island type shop offices can be completely enclosed by use of cornice high partition with single steel roof over the entire layout. Top filler at ceiling line can be furnished to fit irregular roof construction such as saw tooth roofs, monitors, and around pipe and duct obstructions.

Posts are separate members, 3" square, with one side removable. They are of "universal" design, constructed so that future extensions from either 2-, 3- or 4-way may be joined without

Close-up view of post and cornice.

► **Owens-Corning Fiberglas Corporation,**
Newark, Ohio.
Commercial Partition, 11'1" elevation, single
steel top filler to 14' ceiling.
The Austin Co., Engineers.

▼ **Fruehauf Trailer Corporation,**
Avon Lake, Ohio.
Commercial Partition, Island Type Factory
Offices. 9'2³/₄" elevation, with single steel roof.
J. Gordon Turnbull, Inc., Architect.



MILLS commercial partition

removing existing units or using fillers. Posts over 14' are reinforced to insure adequate strength.

Panels are No. 18 gauge furniture steel welded into moldings on all sides, with corners welded. Units over 50" in width have vertical muntins welded to sheet, assuring maximum rigidity. Glass, wire glass, or wire mesh may be used to replace the steel panel sheet. Panels are 44½" or 22¼" high and are made in standard widths of 20" to 100" in multiples of 10".

Cornice, 4½" wide by 3½" high, is furnished when partitions do not extend to ceiling. Cornice corners are factory-welded and finished. Expanding splice is furnished at every cornice joint. Either mineral board or steel top filler can be furnished above cornice when desired.

Commercial Partitions afford easy and quick installation. Posts are erected first. Panel units are then ver-

tically erected, one on top of the other, between the posts. Each unit is bolted into the adjoining post. A chair rail of rigid H-construction provides horizontal rigidity by interlocking bottom horizontal of each panel with top horizontal of panel below. After panel units have been bolted to the posts, post caps are "snapped on." Glass lites are installed where required and glass muntin caps "snapped on"; no exposed fastenings are used.

Standard units of the same width are interchangeable so that glass, wire glass or wire mesh may be substituted for steel or vice versa. Standard hinged doors may be inserted in place of 40" panel. Sliding doors to provide wide openings for trucks may be inserted in place of panels of appropriate width.

Cornice and base are unobstructed to provide for easy concealed wiring. Removable post caps permit installation of wires in posts. Switches and receptacles are easily installed in the posts.

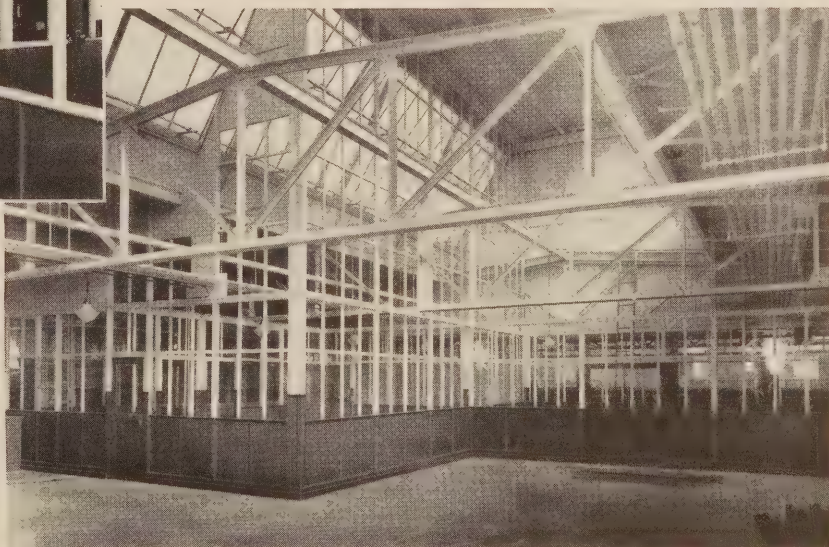
Accessories such as grilles, slide-up sash, deal plates, or horizontally or vertically pivoted vents may be installed wherever needed. See Pages 38-42.

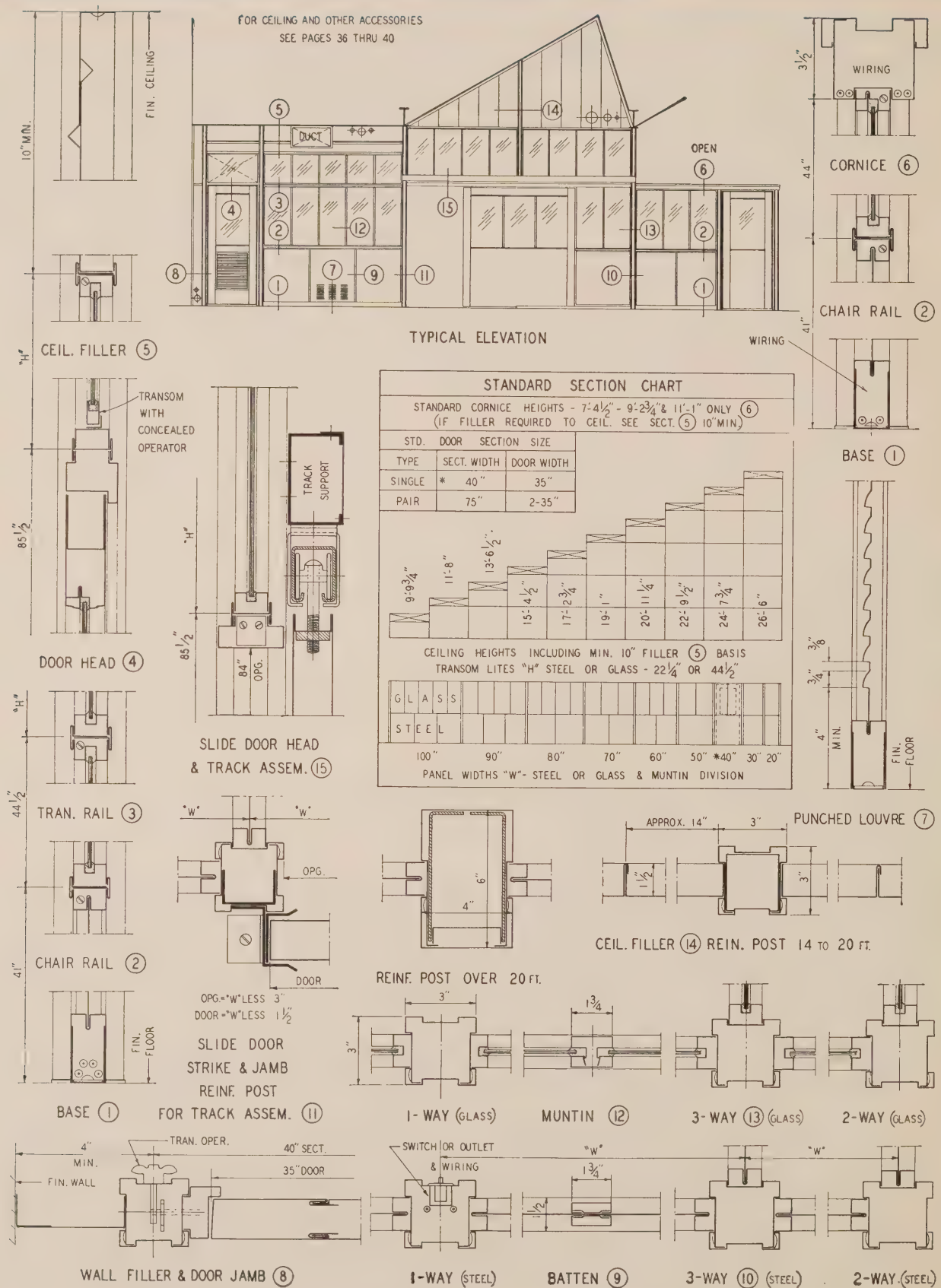
Partitions are finished with durable baked-on enamel which is easy to clean and maintain. They will last the life of the building. Many have been in use for 25 years with the original finish still in good condition.

◀ Owens-Corning Fiberglas Corporation, Newark, Ohio.
Commercial Partition, 11'1" elevation, single steel top filler to 16' ceiling. Steel and glass partition in foreground. Steel and wire mesh partition in background.
The Austin Company, Engineers.

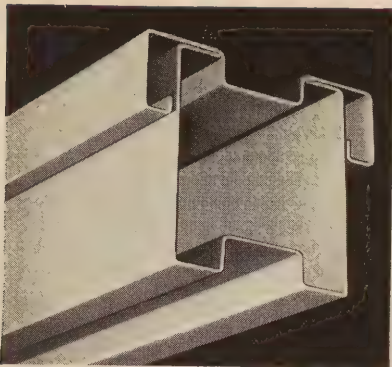


▶ The Packard Motor Company, Cleveland, Ohio.
Commercial Partition, steel and glass to approximately 30'.

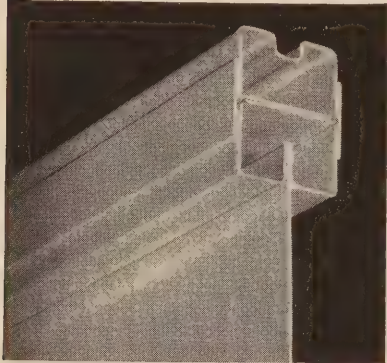




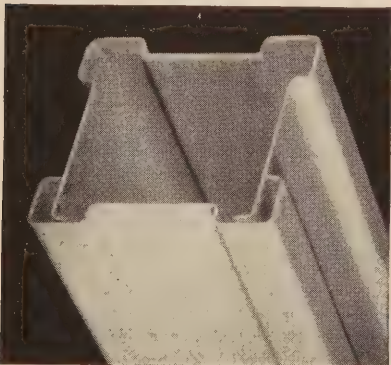
MILLS commercial partition



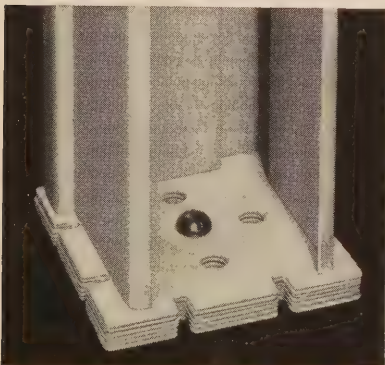
CORNICE—Continuous over all parts, Hollow for wiring.



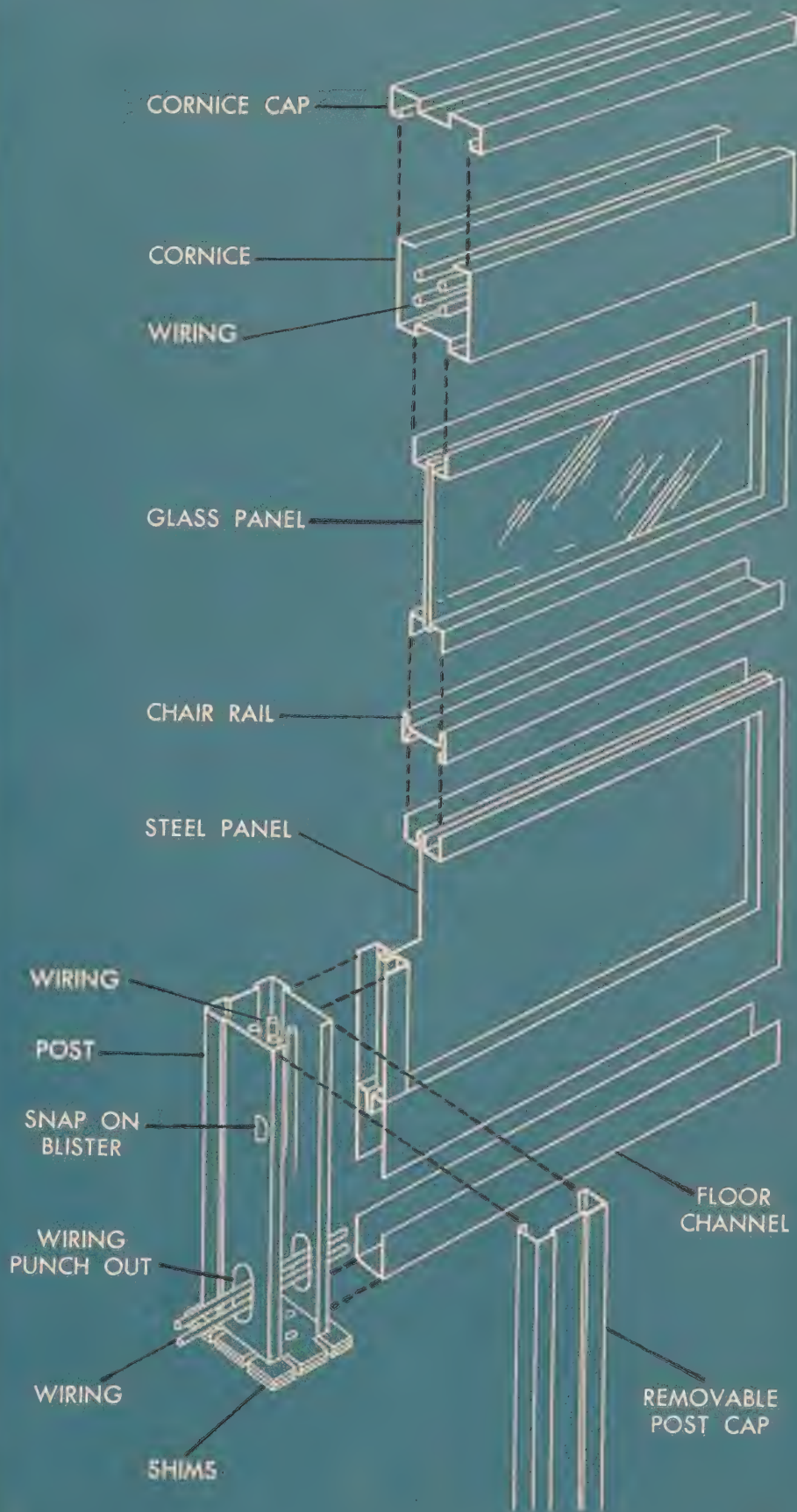
CHAIR RAIL—Rigid H Chair Rail Section runs between posts and Interlocks to panels for maximum horizontal rigidity.



POST—Four-way Universal Post. Post caps are fastened to post without screws or exposed fastenings.



FLOOR ADJUSTMENT—Metal shims provide positive compensation for floor irregularities.



Specifications

TYPE—Furnish and erect complete The Mills Company Standard Commercial Movable Steel Partition.

SHOP DRAWINGS—Detail shop drawings indicating plan, elevation and special condition and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—All units shall be built in multiple widths of 10" and constructed so that two 40"s, a 50" and a 30", or four 20"s will fit into the same space taken by one 80" wide unit. 40" units shall be interchangeable with standard door units. Units shall be so constructed and assembled that future extension of either 2-, 3- or 4-way may be joined together without removing the adjacent units, or using fillers.

STEEL—All exposed steel shall be cold rolled, furniture stock, properly annealed, process leveled with smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—Partitions shall be assembled of standard units of No. 18 gauge panels, No. 18 gauge posts, No. 20 gauge chair rails, No. 20 gauge transom bars and sash. Partitions shall be single thickness No. 18 gauge steel panels or glass panels. The lower steel panel shall be approximately 42" high and either glass or steel units above which shall be in standard units of either 44½" or 22¼" high. Units shall be assembled vertically by means of concealed bolted connections at the posts. Steel panels and glass frames shall be kept rigid by means of an interlocking H-section running between posts.

POSTS—Posts shall be No. 18 gauge 3" square—one side removable to provide space for wiring and attachment of concealed bolts from panels, glass frames and doors. The faces of posts to be recessed to receive panels, glass frames, etc., to conceal raw edges and form a light shield. Bottom of posts to have opening for wiring. Post caps of No. 18 gauge shall be of the same general design as posts and snap-on over blisters provided in the posts to hold securely without the use of screws, bolts or nuts.

BASE—Base of No. 20 gauge shall be 3" high and fit over a floor channel for telescopic adjustment to take care of floor irregularities and provide a concealed chamber for wiring.

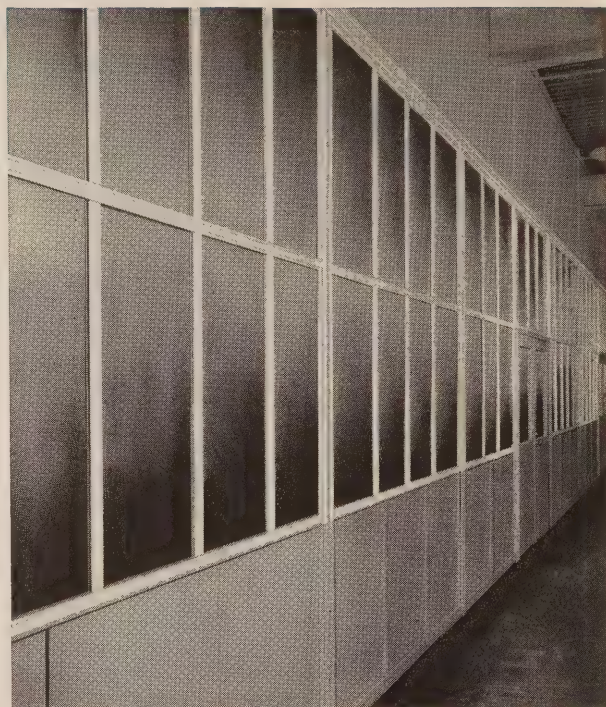
CORNICE—Cornice, when required, shall be 4½" wide x 3½" high of No. 18 gauge two-piece box construction. Cornice shall be hollow to allow for concealed wiring.

WALL FILLERS—Adjustable wall fillers are to be used at the ends of runs. They shall be securely fastened to the building wall.

TOP FILLER—Single steel filler plates of No. 20 gauge ordinarily provided for ceiling height partitions with continuous posts from floor to ceiling.

Mineral board top filler from cornice to ceiling furnished if specified.

DOORS—Shall be 1¾" thick, with not more than ⅝" clearance at jambs and heads. They shall be made of flush design with 5" wide No. 18 gauge stiles flush with No. 20 gauge panels, which shall be sound deadened with packing. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement ⅜" plate,



*Owens-Corning Fiberglas Corp., Newark, Ohio
Commercial steel and glass partition, 11'1" elevation, single steel top filler to 16' ceiling.
The Austin Company, Engineers.*

lock reinforcement No. 16 gauge, check reinforcement No. 14 gauge.) The standard swing door with frame shall fit a 40" wide section and be approximately 3' x 7'. Glass moldings to be secured without the use of screws. Frames of No. 18 gauge shall be unit type—factory welded and finished.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. (See Hardware Information, Pages 43-45.)

Doors shall be provided with two 5" x 4" loose pin ball bearing butt hinges.

FINISH—All partitions, doors and miscellaneous parts are to be permanently finished before shipment—thoroughly cleaned free from oil and given a prime and a finish coat of synthetic enamel, each coat shall be oven-baked. Finish shall be Mills Color No. ... or color to be as selected.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be bedded in putty and back puttied. Putty shall be colored to match the finish of adjacent metal work. Glazing stops and muntins shall be applied without the use of screws or bolts.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Glass and metal surfaces shall be cleaned and left free from scratches. Provide reinforcements to ceiling or bracing on runs exceeding 20' in length unsupported by cross runs. (See Page 34 for Ceiling Post Details).

MILLS industrial toilet enclosure

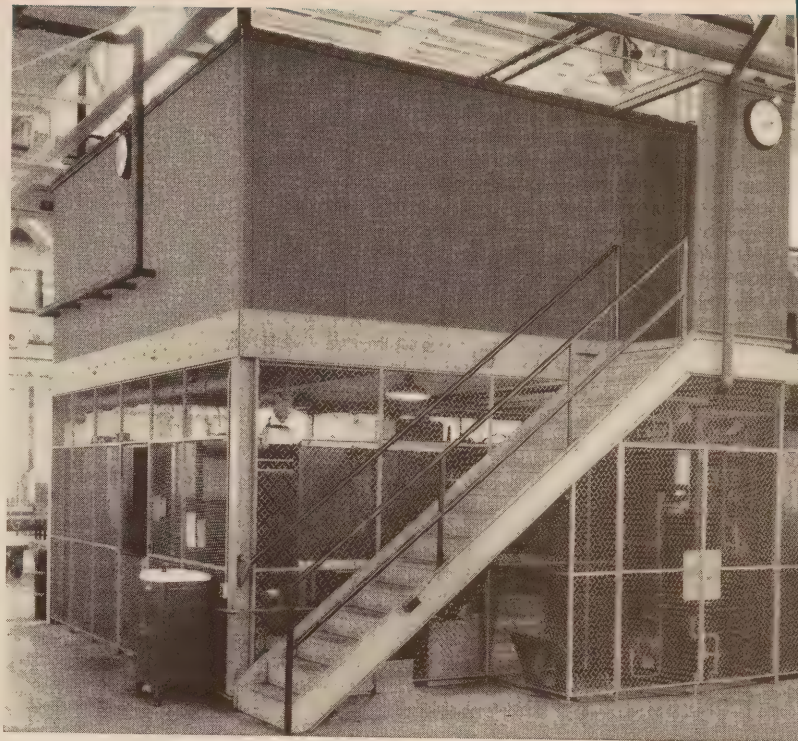
Mills Industrial Toilet Enclosures, designed for enclosing walls around toilet rooms, are economical, easy to erect, flexible in use and particularly adapted to low ceiling conditions. They are ideal for elevated, enclosed toilet and wash rooms in industrial plants, bath houses, factory balconies, etc.

Elevated toilet and wash rooms are the answer to a long-felt demand for full use of productive manufacturing space and all possible saving of time of factory workman. A centrally located wash room raised well off the factory floor is desirable when the floor area is extensive or when productive space is at a premium.

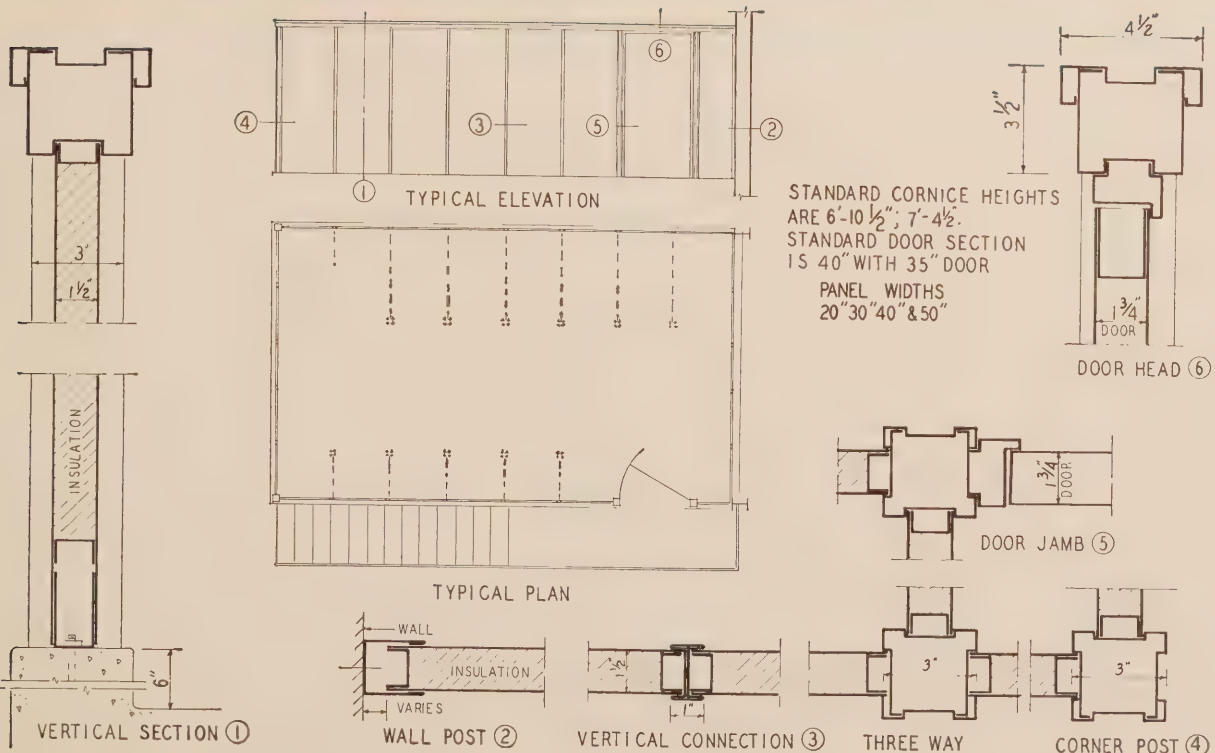
Manufactured in standard units, $1\frac{1}{2}$ " thick, these panels are suitably insulated to provide sound resistance. Panels and posts are erected progressively.

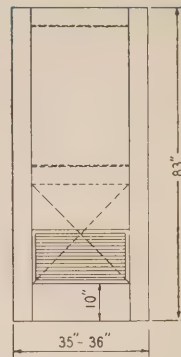
Panel units range in width from 10" to 50" in multiples of 5". Standard heights are 6'-10 $\frac{1}{2}$ " and 7'-4 $\frac{1}{2}$ ". Single sheet top filler or mineral board is furnished when specified, but not recommended because of ventilation a cornice high partition affords. Partitions are finished in lasting baked-on enamel. Pipes and plumbing are at all times completely accessible.

In connection with Industrial Toilet Enclosures, The Mills Company offers a complete line of metal toilet compartments, which are described in a separate catalog.



construction details



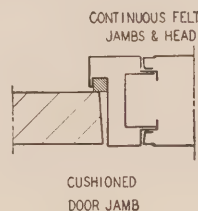


SINGLE GLAZED - *130
HALF LOUVRE - *128
FULL LOUVRE - *129
DOUBLE GLAZED - *120

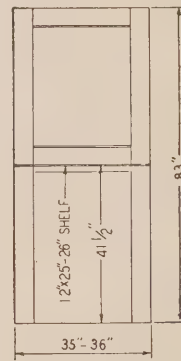
FULL LITE-131
NO LOUVRES

HALF OR FULL LOUVRE
STANDARD OR LIGHT-PROOF
SEE TYPE NOS.

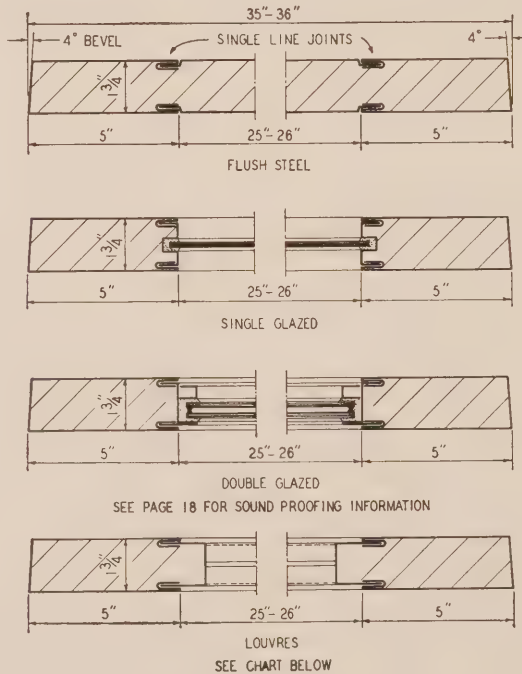
NOTE - (ALL ABOVE TYPES CAN BE FURNISHED DOUBLE ACTING)
(FOR SLIDE DOORS SEE PAGE 32-CONSTRUCTION SAME)



STEEL DUTCH-137

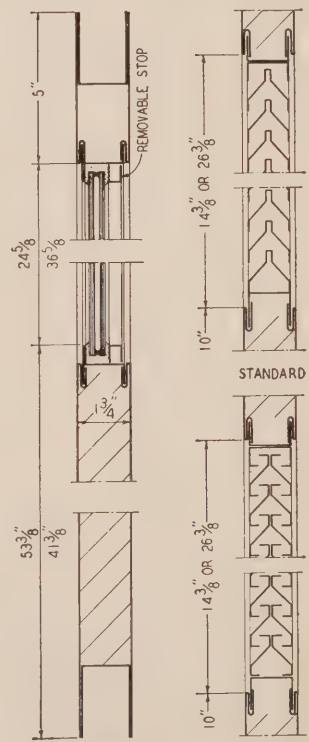


GLAZED DUTCH-138



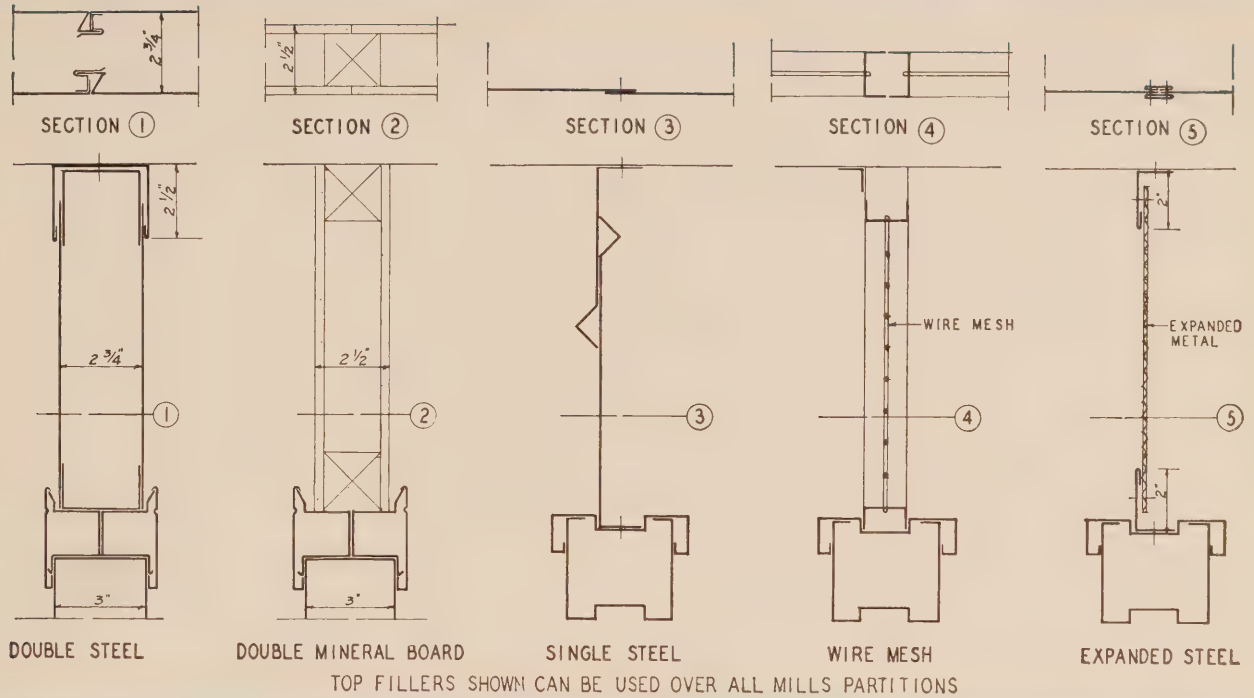
LOUVRE FREE AREA IN SQ. INCHES				
DOOR WIDTH	HALF LOUVRE		FULL LOUVRE	
	STD.	L. P.	STD.	L. P.
35"	122	71	236	136
36	128	74	246	142

FLUSH SINGLE
STEEL GLAZED
VERTICAL SECTIONS

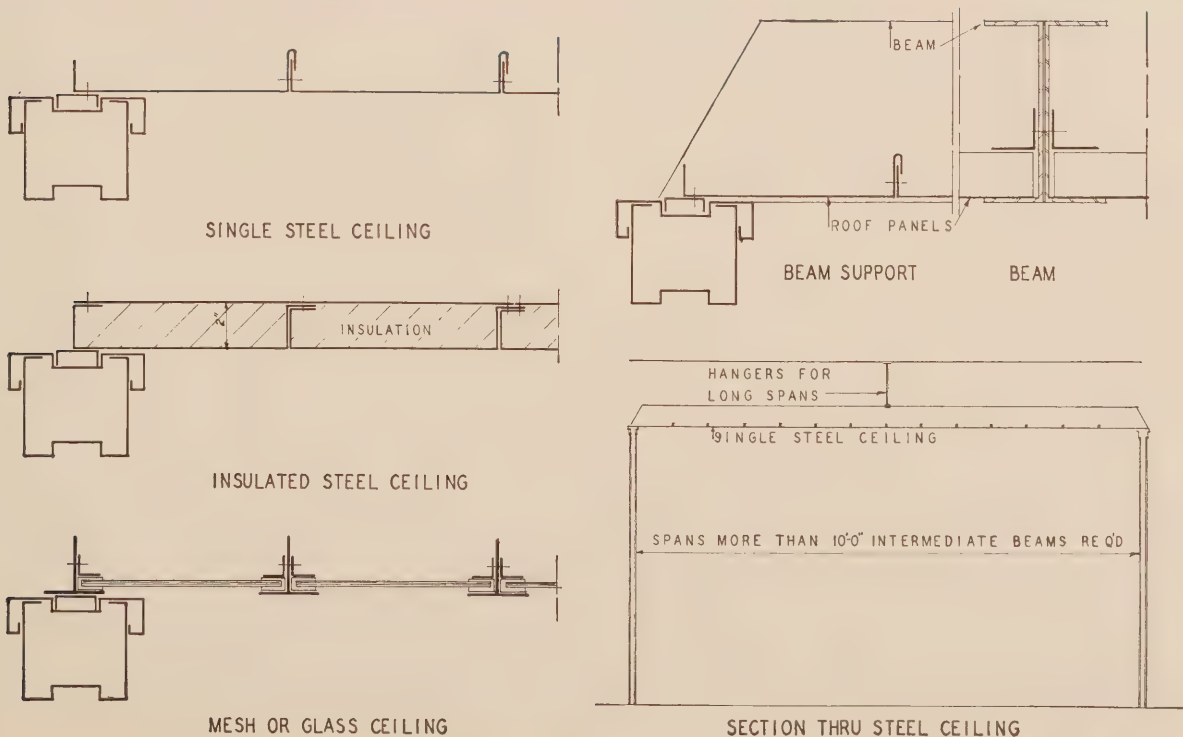


DOUBLE LIGHT-PROOF
GLAZED (L. P.-LOUVRE)
VERTICAL SECTIONS

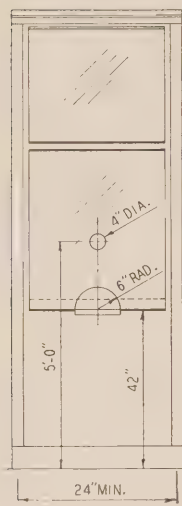
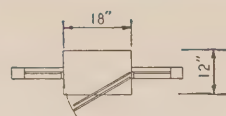
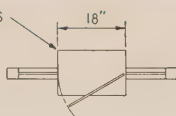
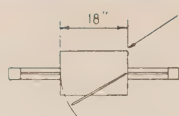
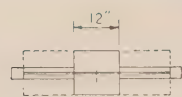
top fillers



steel ceilings



wickets and grilles



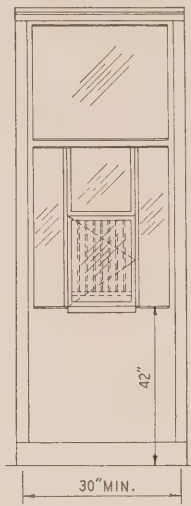
SPEAK HOLE & ALT. HAND HOLES



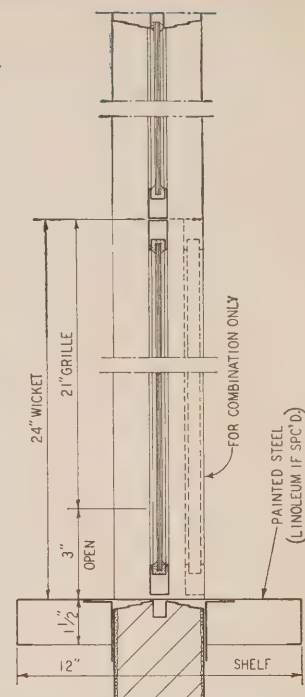
HINGED WICKET



HINGED OR FIXED GRILLE

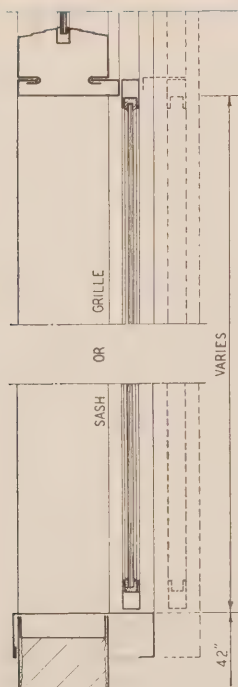


COMBINATION WICKET & GRILLE

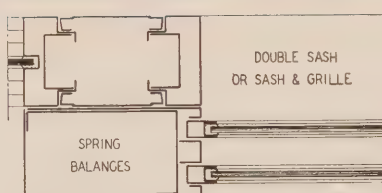


TYPICAL VERTICAL SECT.

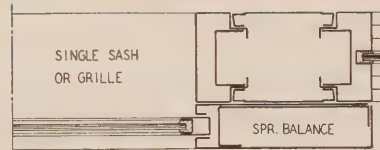
slide sashes



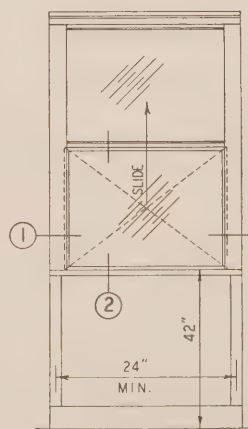
SECTION ②



SECTION ①



SECTION ④

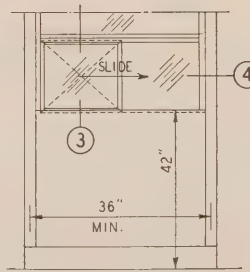
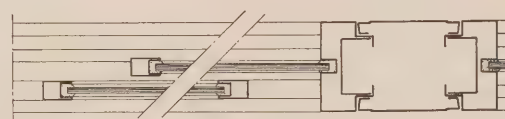


VERTICAL SLIDE SASH

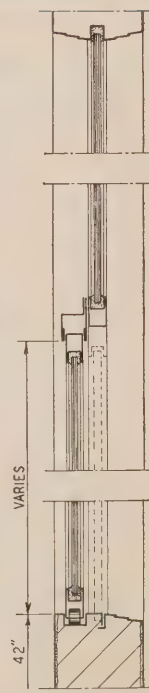
VERTICAL SASH TO HAVE SPRING BALANCE & LIFTS WITH LATCHES OR LOCK WHEN SPECIFIED.

HORIZONTAL SASH TO HAVE ROLLERS & PULL WITH LATCH OR LOCK WHEN SPECIFIED.

STEEL SLIDE UNITS CAN BE FURNISHED WHEN REQUIRED.

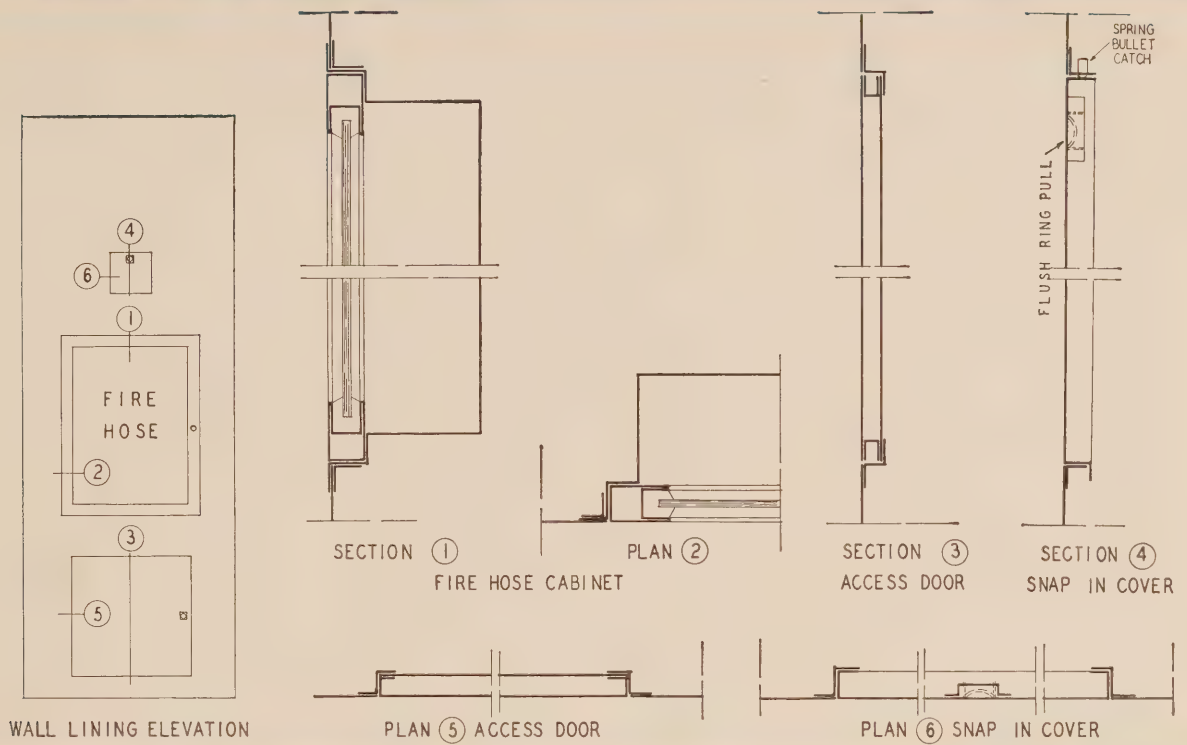


HORIZONTAL SLIDE SASH

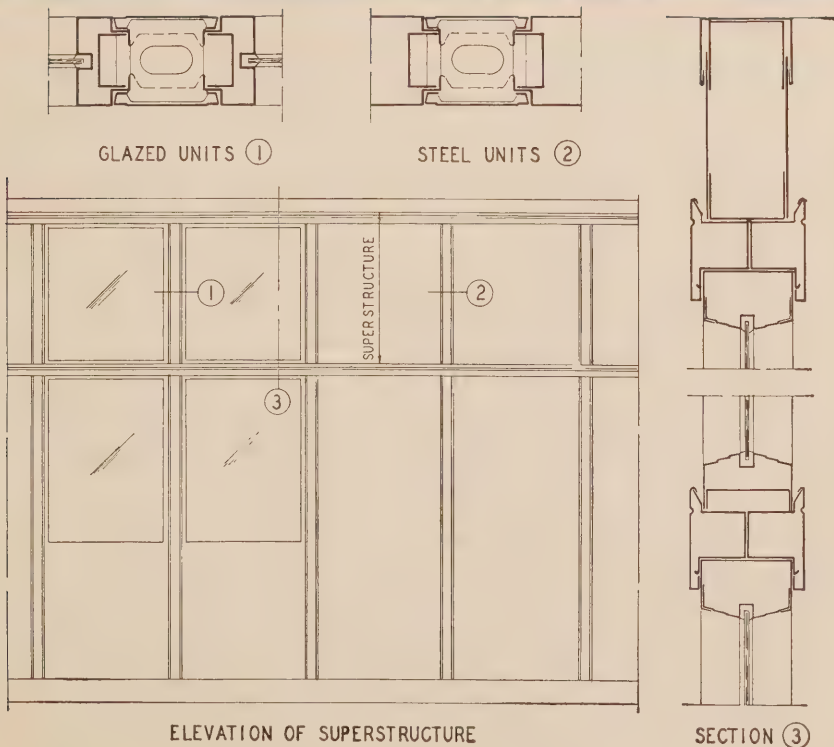


SECTION ③

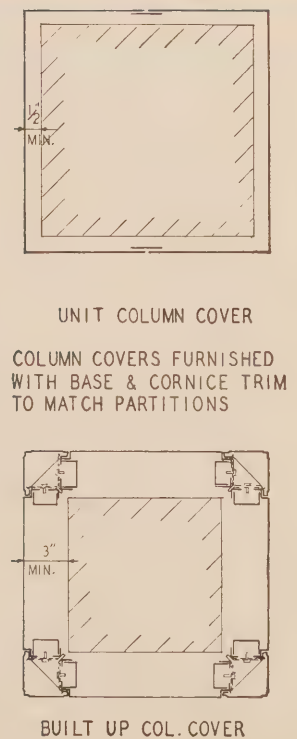
miscellaneous openings



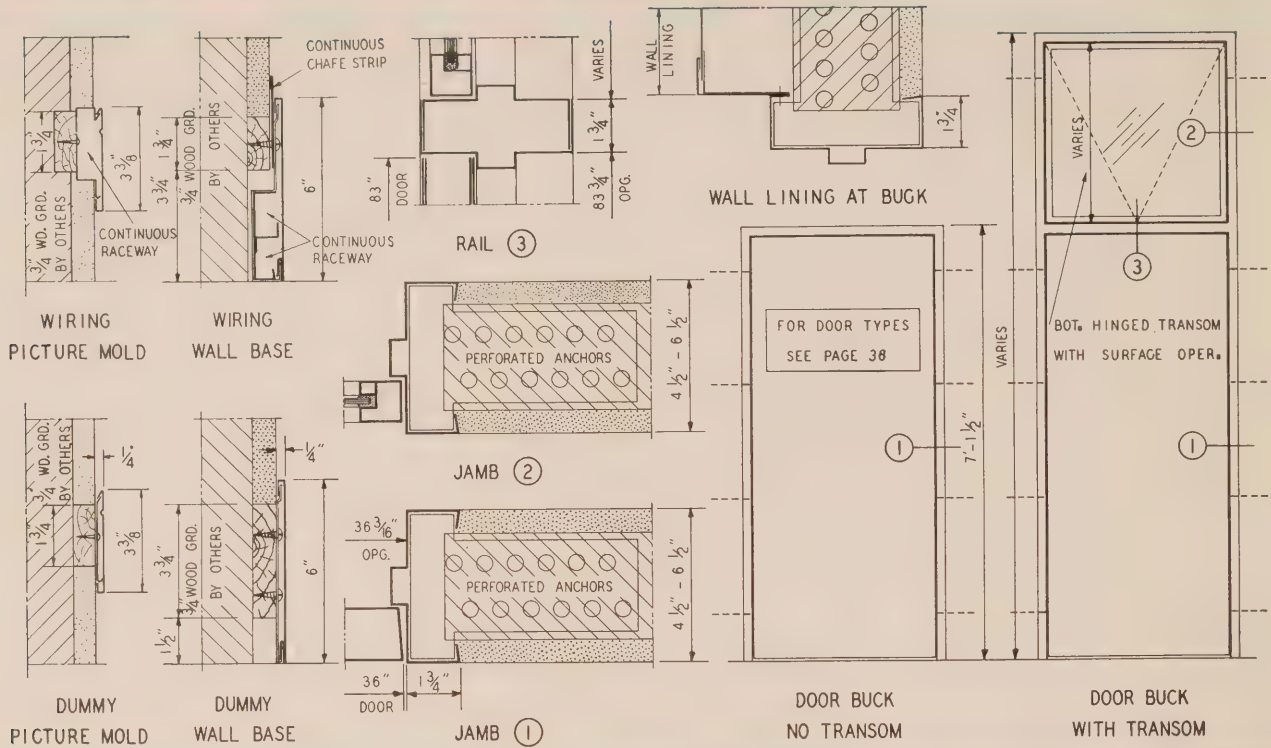
superstructure



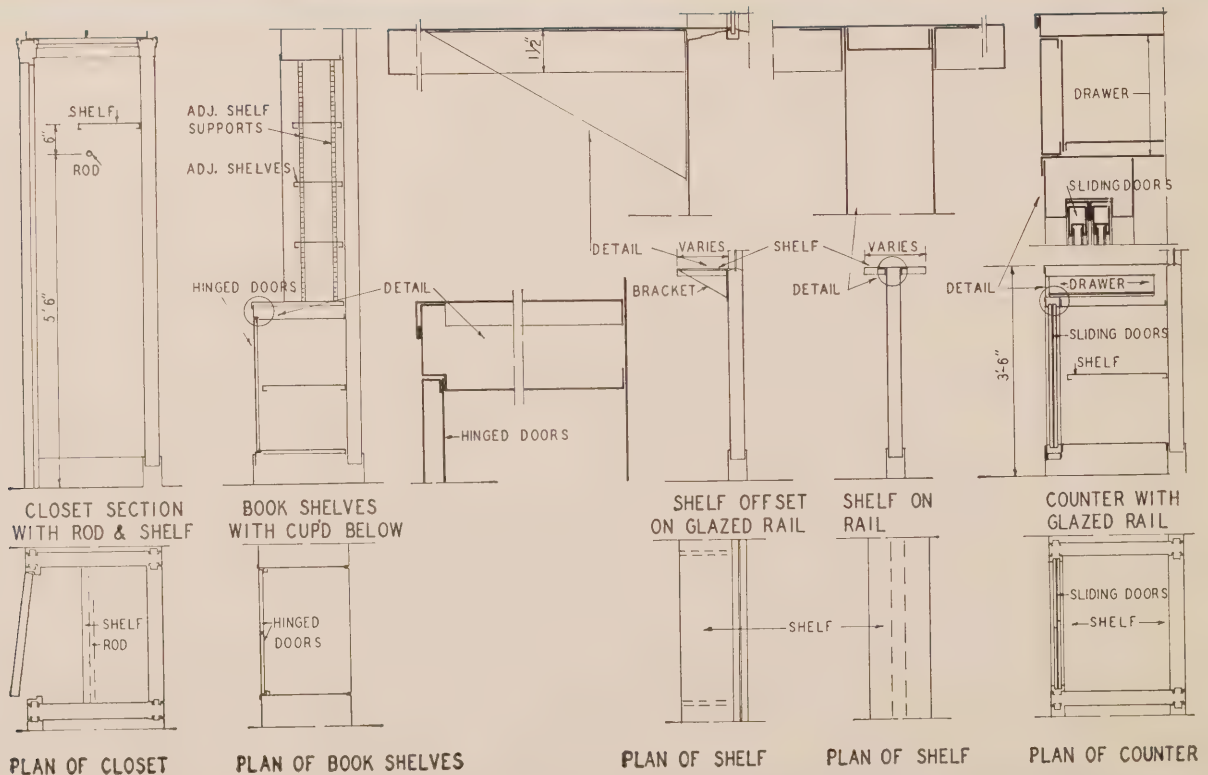
column covers



picture mold, base and door bucks



shelving and counters

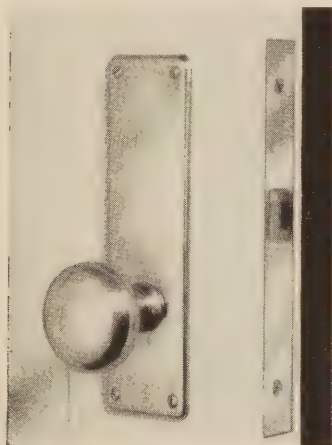


Mills Office Partition Hardware is styled for beauty and designed for practical utility. The hardware shown is available for any Mills Office Partition. Furnished in *polished bronze* (U. S. 9) finish throughout. Several variations

from the standard hardware are possible. Any style lock is available. For further information concerning additional combinations or special applications, write the home office. Hardware is best installed in the doors at the factory.

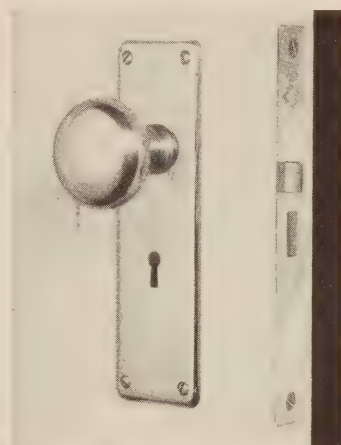
mortise lock sets

All mortise lock sets are made to template and are interchangeable. Backset $2\frac{3}{4}"$; lock face $1\frac{1}{8}" \times 8"$; escutcheon $2\frac{3}{16}" \times 7\frac{3}{8}"$. Master keyed cylinders of all standard makes fit Mills locks.



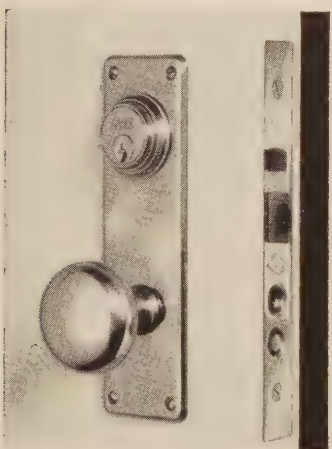
DT 710341 Latch Set

Latch bolt operates by knob from either side, no locking device. Center of knob $40\frac{1}{2}"$ above floor.



DT 78211 Bitt Key Lock Set

Latch bolt operates by knob from either side. Dead bolt operates by key from either side. Center of knob $43"$ above floor.



DT 76561 Pick-Proof Cylinder Lock Set

Operates by knob from inside and key from outside at all times. Outside knob is locked by stop in face. Auxiliary latch automatically deadlocks latch bolt so it cannot be forced back when door is closed, but does not prevent operation by key or knobs.

DT 77901 Cylinder Lock Set

Same as above but without auxiliary latch.



DT 715351 Single Communicating Lock Set

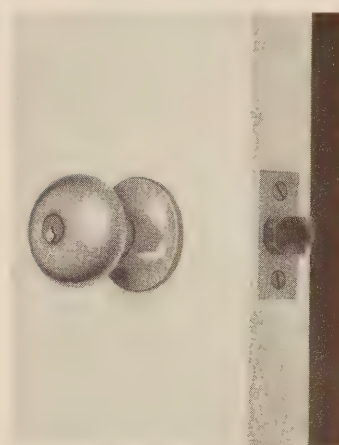
Operates by knob from either side. Thumb turn on inside only operates the dead bolt. Center of knob $40\frac{1}{2}"$ above floor.

DT 715251 Double Communicating Lock Set

Same as above but with divided dead bolt. Thumb turns on both sides, each operate one half of dead bolt, making it possible to lock door from both sides independently.

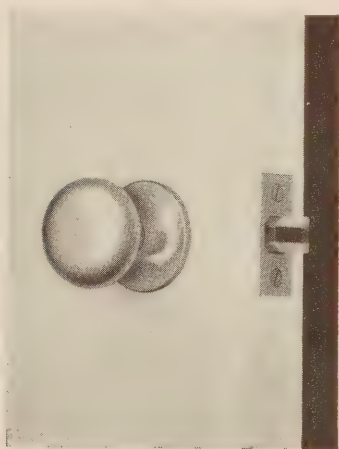
tubular lock sets

Key in knob simplifies detail on face of doors. Master keyed with other similar type locks.



GY 561 Deadlocking Tubular Lock Set

Operates by knob from inside and key from outside at all times. Outside knob is locked by push button in center of inside knob.

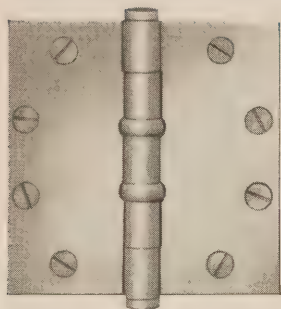


GY 1001 Tubular Latch Set

Plain latch bolt operates by knob from either side. No locking mechanism.

Backset $2\frac{3}{4}"$. Lock face $1\frac{1}{16}" \times 2\frac{1}{2}"$. Knob diam. $2\frac{1}{4}"$. Rose diam. $2\frac{3}{8}"$.

hardware for doors

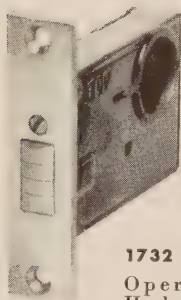


BB 179 Butt Hinges

Size 5" x 4" of hardened steel, .134" thick polished bronze finish. Flat button tip. Ball bearing washers provide noiseless operation and long life. Two butts to each door.

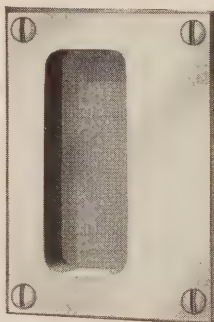
1545 flush bolt

Used on inactive leaf of pair of doors. Cast bronze face plate 1 1/4" x 6 3/4".



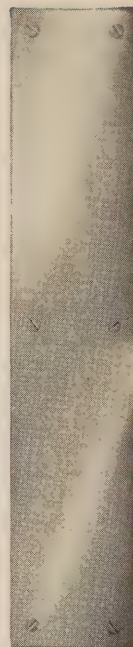
1732 Sliding Door Lock

Operated by key. Hooked latch engages with cast bronze keeper. Backset 2 3/4"; lock face 1" x 4". Used with flush door pull at right.



712 Flush Door Pull

Size 2 3/4" x 4". Bronze finish, furnished for both sides of sliding doors.

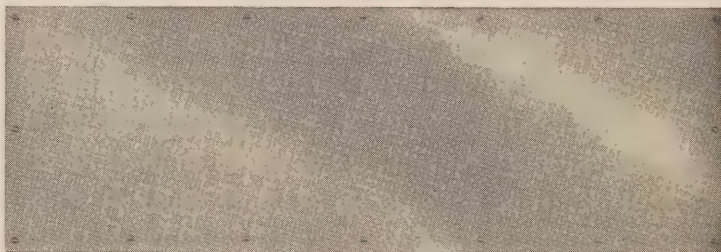
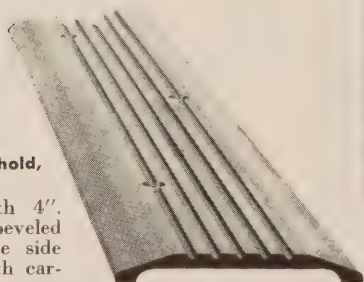


551 Door Pull and Push Plate

Used on swinging doors. Plates 3" x 15". Center located 48" above floor.

4D-CS brass threshold, corrugated

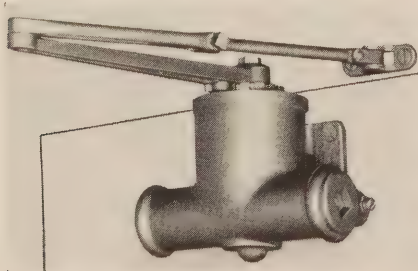
Height 1 1/2"; width 4". Specify whether beveled both sides, or one side square for use with carpeting.



592 kick plate

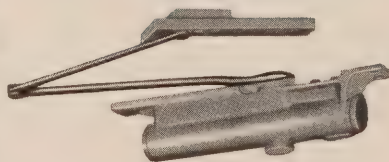
Polished bronze or stainless steel brushed finish. No. 16 gauge; height 10". Width, 2" less than width of door. Specify whether one or both sides.

door closers and checks



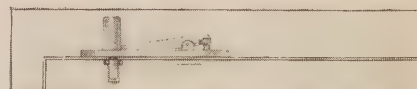
Size B, surface closer

Cast iron case painted to match partition. Holder arm, for holding door open, furnished when specified. Size C for doors over 3'.



LCN303 concealed closer

Cast iron case completely concealed in door. Only arm is exposed. Arm painted to match door. For doors up to 3'. No. 304 for larger doors.



30 double acting checking floor hinge

Holds door open at 90°. Case, recessed in floor 3 1/2". Floor Plate 14 3/4" x 5 1/2". For doors up to 3'. No. 40 for larger doors.

door stops and holders



B2860 door holder
Cast Bronze case, 7 $\frac{3}{4}$ " high, foot operation, rubber floor grip. Holds door open at any angle.

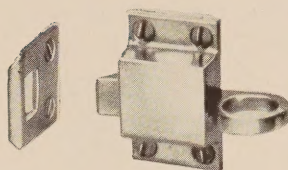


31530 door bumper
Fastens to wall or partition. Length 2 $\frac{3}{4}$ ".

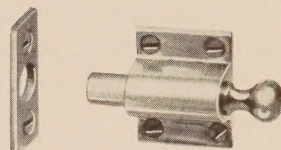


P35 door stop
Anchors securely in floor. Height 3"; rubber bumper $\frac{1}{8}$ " diam.

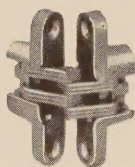
hardware for accessories



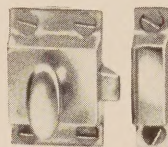
02934 transom catch
For vertically pivoted vents. Bronze case 1 $\frac{1}{8}$ " x 1 $\frac{7}{8}$ ".



8334 slide sash bolt
For vertical or horizontal sliding wickets. Bronze case 1 $\frac{3}{16}$ " x 1 $\frac{3}{16}$ ".



204 concealed hinge
For hinged cabinet doors. Fly leaf hinges invisible when door is closed.



54034 spring catch
For standard hinged wicket.



31668 transom operating handle
Cast bronze, for concealed transom operators.

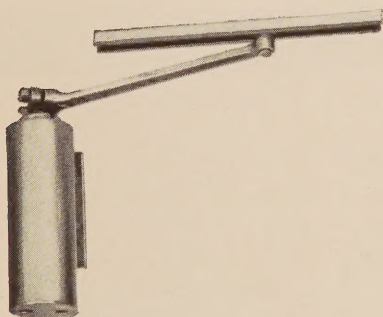


5813 flush ring pull
For flush cabinet and access doors.

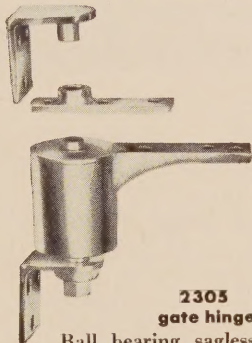


5101 grille lock
For standard hinged grilles. Bronze case, individual key.

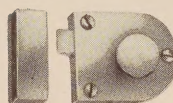
railing hardware



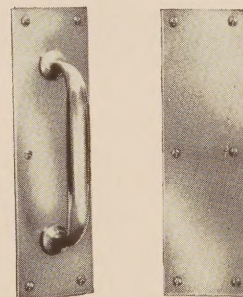
359 checking gate hinge
For glazed railings. Single or double acting. Ball bearing.



2305 gate hinge
Ball bearing sagless pivot hinge. Adjustable spring tension.



4050 $\frac{1}{2}$ secret gate latch
Has fixed knob. Is operated by pressing plate under side of case. Case 2" x 2 $\frac{3}{8}$ " x $\frac{3}{4}$ ".



550 gate pull and push plate
For glazed railing gates. Plates 3" x 10".

glass and glazing

glass information

To insure maximum strength, glass $\frac{1}{4}$ " (clear or obscure) is always used in full light doors, glazed railings or when glass is chipped in pattern.

Either clear glass $\frac{1}{4}$ " polished plate, 39 ounce crystal, or D.S.A. window glass is used when vision is needed. The latter two provide adequate vision and are acceptable in many cases. Single strength glass and D.S.B. grade glass are not satisfactory in partitions.

Double glazed partitions are glazed with hermetically sealed double glass lites consisting of clear or obscure glass $\frac{1}{2}$ " apart or with two lites set approximately 2" apart in felt with removable frames to permit easy cleaning.

Obscure glass, $\frac{1}{8}$ " or $\frac{1}{32}$ " thick may be used when borrowed light only is desired.

Mills Metal Partition Putty holds glass securely to eliminate the possibility of rattles. Tinted to match the partition finish, this special putty will never sag when fresh or harden and chip away when it ages.

electrical wiring

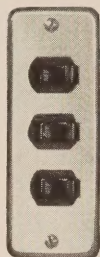
Mills switches and receptacles are available with 1¼" x 4¾" polished bronze flush plates to fit all partition types. All switches and receptacles with flush plates are



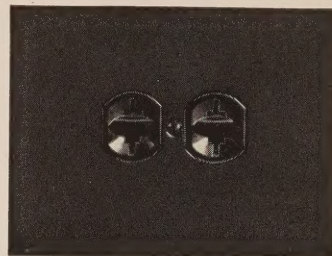
**single
switch**



**double
switch**



triple switch

receptacle
in post cap

receptacle installed
in 6" partition base

Wires may be brought into Mills Partitions in the following ways:

1—entrance from the ceiling.

This method is ordinarily preferred because horizontal distribution of wires is continuous along cornice for length of partition. Wiring in base is interrupted by doors (if any) which necessitates carrying wires over door through transom rail or cornice. If there is no top filler to conceal the wires from ceiling, entrance from wall is recommended.

2—entrance from wall.

Wall feeds may enter partitions through end fillers, running down to base or up to cornice within the end filler.

3—entrance from floor.

Wiring may enter partitions from floor but this is not recommended because the conduit stub coming up through the floor is a permanent fixture and cannot be moved when partition is

interchangeable in the Mills standard cutout—1½" x 2¾". Receptacles are installed in base without plates, for which purpose special base plates 8" long are supplied.

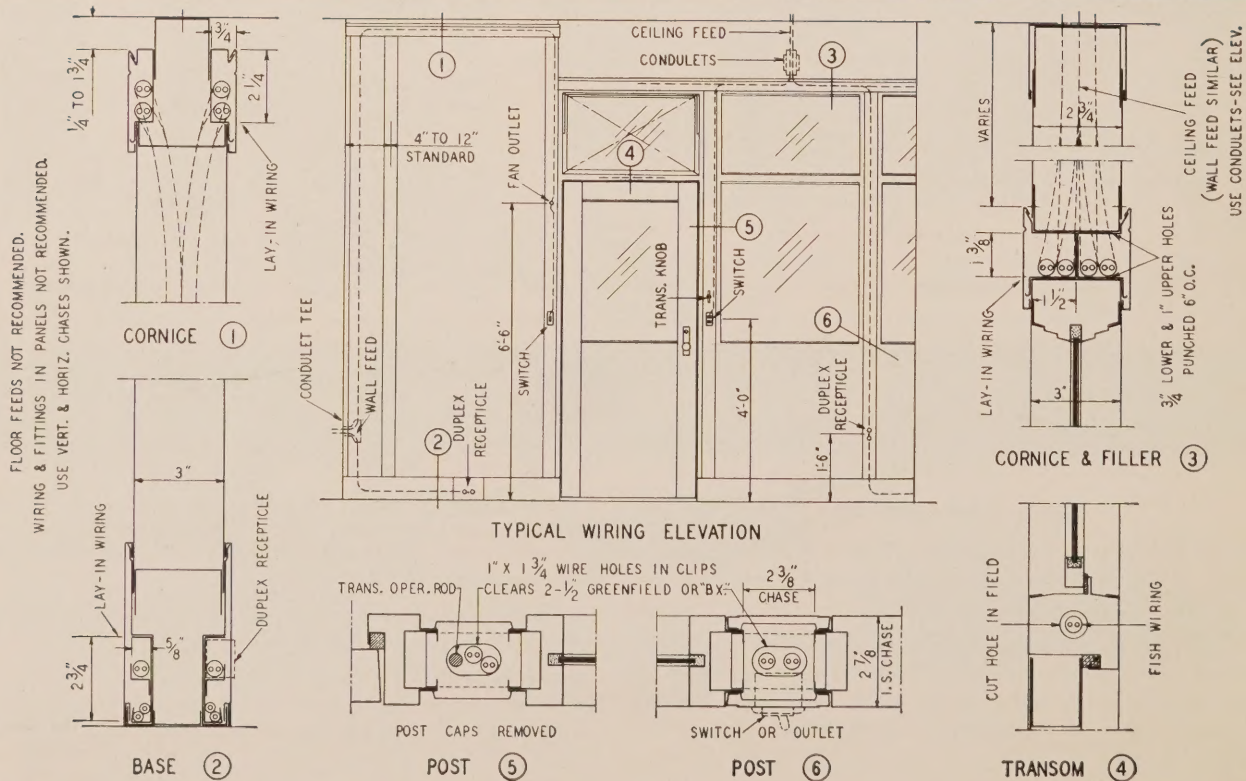
changed. It is necessary to cut off such stubs flush with the floor and plug them when the partition is moved from its original location. However, when floor feeds are absolutely necessary, the conduit should be brought up from the floor on the centerline of the partition and at least 12" away from any partition post. This will give the required clearance from the floor clamps which occur at each partition post.

We recommend electrical contractors use the following type of wire in our partitions:

For circuits up to 220 volts—BX Cable is recommended. However, Greenfield Cable or Loom is allowed by certain local codes. Asbestos insulated conductor is often used.

Telephone and other low voltage wires should be insulated type ordinarily recommended for each specific use.

construction details



MILLS office partition representatives

Mills representatives listed below are fully qualified to handle all details of sales and service on Mills Movable Metal Walls.

ALABAMA

Birmingham: Sherwood Moore Iron Works, 116 Graymont Avenue
Montgomery: Building Products, Inc., 605 North McDonough Street

ARIZONA

Phoenix: Steffy Sales Co., 246 So. 1st Street

ARKANSAS

Little Rock: Capital Steel Co., 329 Gazette Building

CALIFORNIA

Bakersfield: G. H. Slack & Son Building Specialties, 1800 South Chester St.
Fresno 1: Healey & Popovich, 1703 Fulton Street
Los Angeles (Huntington Park): B. L. Wilcox, 2071 Laura Avenue
San Diego 12: Chas. H. Lentz, P. O. Box 727
San Francisco 10: A. D. Munthe, c/o Pacific Sales & Equipment Co., 1245 22nd Street

COLORADO

Denver 2: Building & Maintenance Co., 1863 Wazee Street

CONNECTICUT

Hartford: Gallic & Reynolds, 125 Trumbell Street
New Haven 10: Fox Steel Co., 42 Church Street
Woodbury: Gallic & Reynolds, P. O. Box 150

DELAWARE

Wilmington 236: Building Equipment Co., 1900 Market Street

DISTRICT OF COLUMBIA

Washington 6: W. M. Schoenfelder, Inc., 1222 Connecticut Avenue N. W.

FLORIDA

Jacksonville 4: George P. Coyle, 412 Park Street
Miami: Paul E. Shipe, 1750 No. Miami Avenue
St. Petersburg: E. L. March, 201 18th Street S.

GEORGIA

Atlanta 3: Luke Seawell, Inc., 140 Nassau Street

IDAHO

See Salt Lake City, Utah

ILLINOIS

Chicago 6: I. P. Rieger Company, 605 W. Washington Boulevard
Peoria 5: W. W. Grote, 727 Loucks Avenue
Rockford: Architectural Iron, Inc., 904 22nd Street

INDIANA

Evansville 7: International Steel Company, 1321 Edgar Street
Fort Wayne 6: Don White, P. O. Box 324
Gary: Builders Service & Equipment Co., 469 Bridge Street
Indianapolis 4: Stackhouse Building Specialties Co., 436 Lemcke Building
South Bend 11: Fett, Domke Sales Corp., 505 National Bank Building

IOWA

Davenport: Plath Building Supply, 408 Security Building
Des Moines 8: L. H. Kurtz Co., 312 Walnut Street
Dubuque, Conlon's, 14 East 18th Street
Waterloo: Berkeley-Pinkerton Co., 302 West 4th Street

KANSAS

Topeka: Ray Anderson, 620 New England Building

KENTUCKY

Lexington 2: Faulkner Builders & Supply Co., 585 E. Third Street
Louisville: Hubbuch Co., 716 Gray Street

LOUISIANA

New Orleans 13: Metal Building Products Company, 720 South Calhorne Avenue
Shreveport 4: J. W. Davenport Co., 506 Giddens Lane Building

MAINE

Bangor: Acme Supply Company, 60 Summer Street

MARYLAND

Baltimore 18: Talbott & Degele, 328 East 25th Street
Cumberland 1: Young Sales & Engineering Co., Perrin Building, Pershing Street

MASSACHUSETTS

Boston 10: Stel-Wod Engineering Co., 88 Broad Street
Pittsfield: Kenneth P. Ritchie, 21 North Street

MICHIGAN

Detroit 26: Building Accessories Co., 155 W. Congress Street
Grand Rapids 7: Associated Material & Supply Co., 1222 Burton Street, N.E.
Saginaw: Hugh Lee Iron Works, 925 S. Water Street

MINNESOTA

Duluth 2: M. M. Hoover, 300 Lonsdale Building
St. Paul 4: R. E. Stanton Co., 2395 University Avenue

MISSISSIPPI

Gulfport: Bourgeois Material Co., 1417 30th Street
Jackson 2: C. A. Moore, 117 Ascher Building

MISSOURI

Columbia: Riback Pipe & Steel Co., 7th and Ash Streets
Kansas City 6: Hawley-Edelman Co., 414 Railway Exchange Bldg.
Springfield: Southwestern Insulation Co., 330 S. Jefferson Avenue
St. Louis 5: Constructor Specialties Co., 950 Kingsland Avenue (University City)

MONTANA

Butte: Archie W. Adams, 1313 W. Platinum Street

NEBRASKA

Omaha 2: Engineering Sales Co., 2311 Douglas St.

NEVADA

See Salt Lake City, Utah

NEW HAMPSHIRE

See Boston, Massachusetts

NEW JERSEY

Northern Section, see New York; Southern Section, see Philadelphia

NEW MEXICO

Albuquerque: Rio Grande Steel Products Co., 1710 No. 6th Street

NEW YORK

Albany: United Roofing Co., 425 Orange Street
Binghamton: C. Y. Cushman, 25 Roosevelt Avenue
Buffalo 2: James M. Hawkins Co., 448 Franklin Street
Elmira: H. N. Forbes, 405 W. Clinton Street
New York City 18: Mills Metal Partition Co., Inc., 11 W. 42nd Street
Rochester 7: The Maurer Co., 31 Richmond Street
Syracuse 2: F. J. Ludwick, 40 Wood Building
Utica: Robert B. Pratt, 1522 Genesee Street

NORTH CAROLINA

Asheville: S. R. Goldman, 326 Haywood Building
Chapel Hill: S. H. Basnight, Henderson and Rosemary Streets
Charlotte 1: R. R. Robertson, 1201 Commercial Bank Building
Greensboro: E. H. Agle, 919 Church Street

NORTH DAKOTA

Fargo: Northern School Supply Co., 8th Street and N. P. Avenue

OHIO

Cincinnati 2: Central Building Products Co., 626 Broadway
Cleveland 15: The Mills Building Products Co., 2036 E. 22nd Street
Columbus 9: Otto Nehrenst, 766 Euclidean Avenue
Dayton 2: The Andrew Plocher Sons Co., 420-424 E. First Street
Portsmouth: Earl C. Hayes & Co., 1144 8th Street
Toledo 12: Joseph P. Kessler Co., 1519 Eleanor Avenue
Youngstown 4: Sheffield Steel Sales Co., 1607 Ford Avenue

OKLAHOMA

Oklahoma City: Capitol Steel & Iron Co., 1726 South Agnew
Tulsa: Building Specialties Co., Box 1211

OREGON

Portland 9: Mercer Steel Co., 2555 N.W. Nicolai

PENNSYLVANIA

Bellefonte: M. L. Claster & Sons, Inc., 367 Phoenix Avenue
Erie 3: L. R. Maxon, 1409 State Street
Harrisburg: C. H. Herschok, Inc., 1513 N. Cameron Street
Philadelphia 3: Victor C. Smith, 1717 Sansom Street
Pittsburgh: James Hood Miller, Chamber of Commerce Building
Reading: John H. Millard, 4 South 20th Street
Wilkes-Barre: H. A. Dunstan, 377 Ridge Ave., Kingston Station

RHODE ISLAND

Providence 3: Stel-Wod Engineering Co., 669 Eddy Street

SOUTH CAROLINA

Columbia: Owen Steel Co., 1901 Blanding Street

SOUTH DAKOTA

Rapid City: J. S. Kibben Co., P. O. Box 930

TENNESSEE

Chattanooga: Commercial Stationery & Supply Co., 109 E. 7th Street
Knoxville: Lee Martin, P. O. Box 1030
Memphis 5: Fischer Steel Co., 269 Walnut Street
Nashville 4: Ryan Sales Corp., 524½ Eighth Avenue, South

TEXAS

Amarillo: Ford Brick & Tile Co., 1707 West 8th Street
Austin 6: Calcasieu Lumber Co., 301 West 2nd Street
Corpus Christi: South Texas Materials Co., Oso at Powers Street
Dallas 1: Metal Products Co., 1217 Camp Street
El Paso: Neff-Buckner-Holt, Inc., 401 N. Santa Fe Street
Houston 7: Bule-Lunsford Co., 7400 Washington Avenue
San Angelo: San Angelo Building Material Co., 109A W. Beauregard
San Antonio: Rufus Walker, 611 American Hospital & Life Building

UTAH

Salt Lake City: Structural Steel & Forge Co., 545 West Seventh Street

VERMONT

See Boston, Massachusetts

VIRGINIA

Bristol: Engineering Sales Corporation, 2005 W. State Street
Lynchburg: Montague & Betts Co., 1619 Wythe Road
Norfolk 10: Lawrence Trant & Co., 320 Western Union Building
Richmond 19: J. S. Archer Co., 1103 E. Main Street

WASHINGTON

Seattle 22: Fryer-Knowles, 1718 Broadway
Spokane: Elmo E. Triefel, 1315 W. Cleveland Avenue

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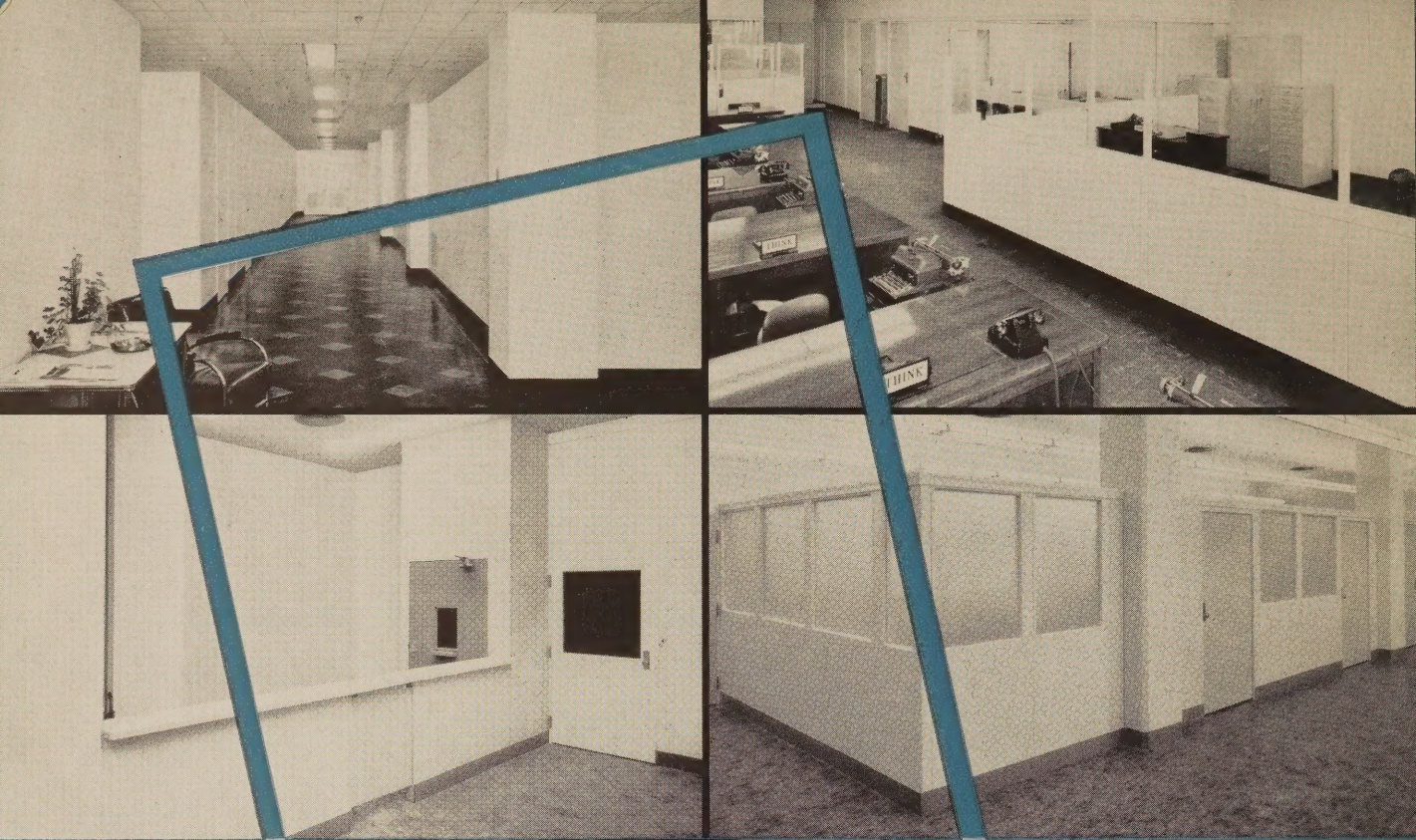
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